

American Fruit Grower

WESTERN EDITION
JULY • 1958

Buyer's Guide





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"MANY CUSTOMERS SAVE HUNDREDS A YEAR with the Eaton 2-Speed Axle," reports Mr. C. Creed, Ford truck dealer of Benton Harbor. Talking with Mr. Wendzel (right), Mr. Creed points out that "buying a truck with a standard axle for heavy farming is the same as hiring a boy to do a man's work. For successful farming the Eaton 2-Speed Axle is really needed."



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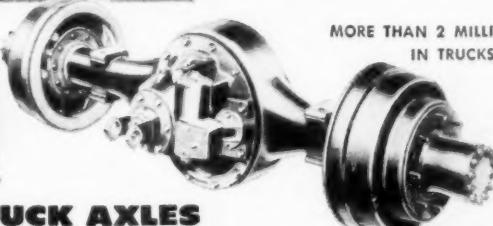
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JULY, 1958

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**American
Fruit Grower**

VOL. 78

JULY, 1958

No. 7

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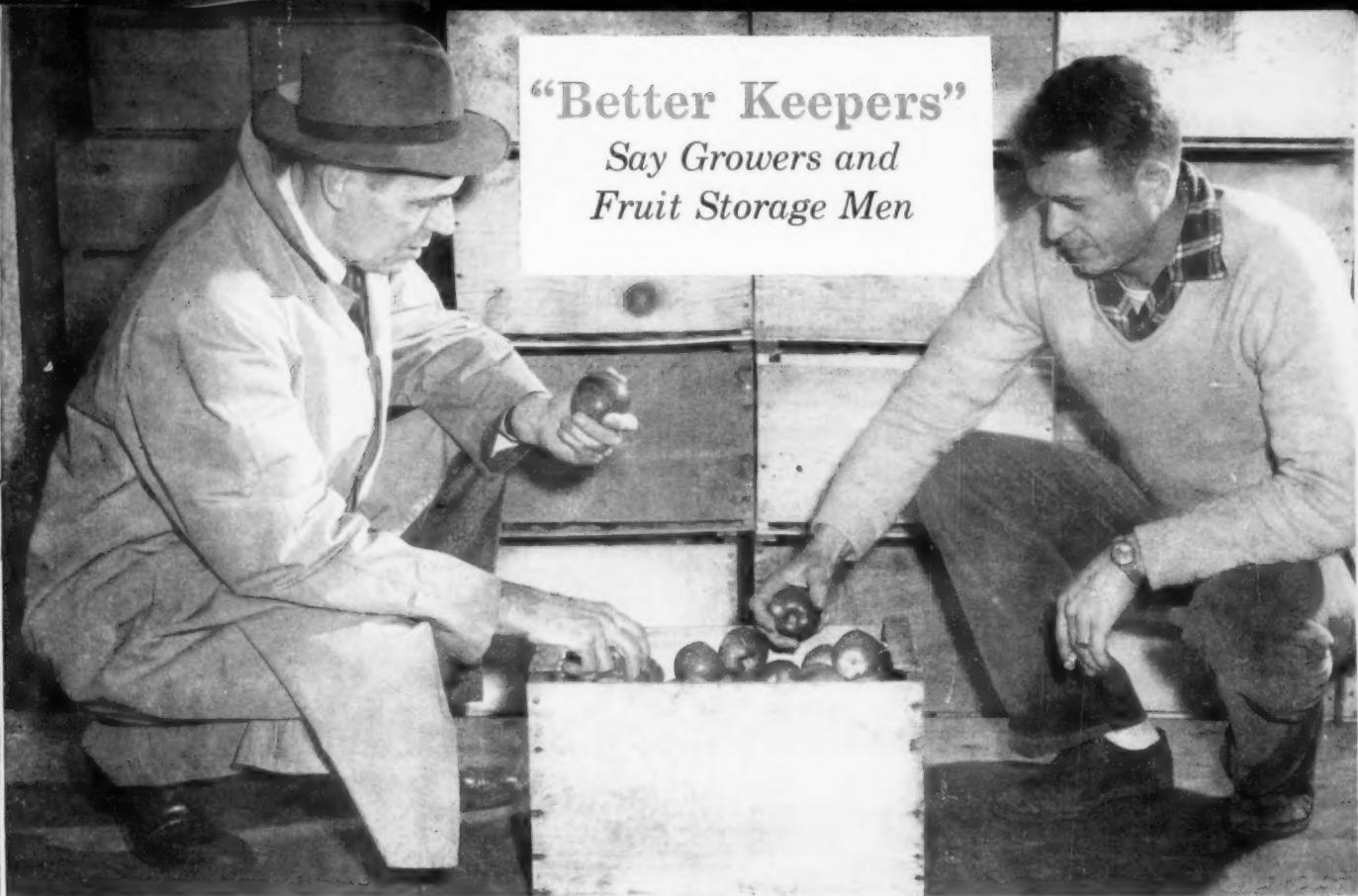
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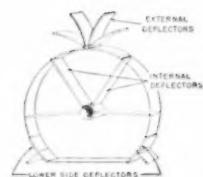
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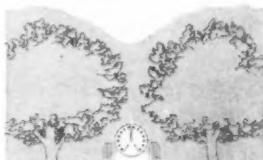


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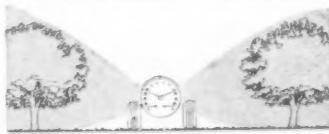


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American Fruit Grower

• Fruit for Health •



Grading and packing plant of Rappahannock Co-operative Fruit Growers, Inc., the first of Sperryville's three co-ops. Formed in 1936, the plant can handle 4000 bushels of apples a day.

Three CO-OPS for Sperryville!

Apple growers form co-operative associations in one-two-three order, find they all pay their way

By ELDON S. BANTA

TWENTY years ago apple growers around Sperryville, Va., decided that by working together they could cut costs and keep a little bigger share of the shrunken dollar they were receiving for their fruit.

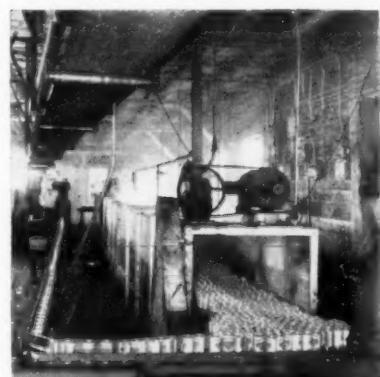
Two decades of successful operation has proved the wisdom of the 11 growers who organized the Rappahannock Co-operative Fruit Growers, Inc., in 1936. Now there are 16 members and they represent some 1500 acres of apples with a combined crop of around 250,000 bushels.

That was the beginning. In 1939, these growers and others, 21 in all, formed the Rappahannock Cold Storage Co-operative, Inc., and built a 60,000-bushel cold storage plant adjacent to the packing house in Sperryville. Now this storage has been increased to hold 125,000 bushels with

five rooms holding 25,000 bushels each. About 29 growers store a portion of their apple crop here each fall from some 1200 acres.

The next year growers agreed that a co-operative processing plant to take care of smaller grades of apples would be an asset. So in 1940 they formed the Blue Ridge Fruit Growers Co-operative, then built an apple juice processing plant near the other two plants. Now the 44 grower-members of this co-op dispose of some 100,000 to 150,000 bushels of small but sound apples at a profitable price.

Each co-operative is a separate organization, although many growers belong to all three. The Rappahannock Co-operative Fruit Growers, Inc., began with issuance of stock at \$100 per share. This provided capital for building and equipping the packing shed. Now each grower-



Apple juice is quickly cooled in cold water spray before packing in cartons. Six-ounce cans are popular "one-drink" unit. Cleanliness and quality are keynote at Blue Ridge Fruit Growers Association, Sperryville's third co-op, formed in 1940.

member actually owns a section of the packing house, in proportion to his investment and to his volume of apples moved through the house.

Operating costs are covered by making a charge per bushel packed. This covers labor, packages and supplies, power, interest on overhead, depreciation, and taxes. At the end of the season, about June 1, books are balanced, and if any money remains in the treasury above actual costs it is returned to members in proportion to the volume of business of each.

The packing plant now has facilities for packing out about 4000 bushels a day and at peak season employs around 60 workers. The main varieties grown in the area are Stayman, Starking, Delicious, Winesap, York, and Golden Delicious. Packages range

(Continued on page 13)



Second co-op formed was Rappahannock Cold Storage Co-operative, Inc., built behind packing house to facilitate handling. Capacity of storage is now 125,000 bushels. Locker plant addition is at rear.

THE FRUIT AREAS OF AMERICA

NOVA SCOTIA'S



View taken from "Look Off" of the upper end of Annapolis Valley showing part of the Minas Basin.

Photos by Nova Scotia Film Bureau

This tour of Nova Scotia is the fifteenth in our series of articles on important fruit areas. Previous visits have taken us to New Jersey; East of the Cascades in Washington; California's Central Valley; the Ozark region of Missouri, Arkansas, and Oklahoma; New England; the Lower Rio Grande Valley of Texas; British Columbia's Okanagan Valley; Western New York; Georgia; Appalachia; Idaho; South Carolina; Michigan; and Southern California.—Ed.



Queen Annapolis XXIV and her court star at the annual Apple Blossom Festival during service at Grand Pre Park. Evangeline statue and restored French Acadian church are in background.

By C. J. BISHOP

Experimental Farm,
Canada Department of Agriculture
Kentville, Nova Scotia

WHILE Nova Scotia cannot claim to be one of the largest fruit producing areas of the continent it can be said with full justification to be the oldest.

The first permanent white settlement north of the Gulf of Mexico was established in 1605 at Port Royal at the southwestern end of Annapolis Valley. Among the introductions by these first settlers were seeds of European apples.

These early attempts at fruit growing were followed by the plantings of the French Acadians who settled about 1630 on the fertile shores of the tidal Basin of Minas at the other end of the valley. These Acadian orchard sites have persisted to this day and produce fruit for our present day industry.

Freight transportation in the early 19th century was largely by water and, consequently, the first sizable plantings were in the region of the mouths of the Cornwallis, Gasperaux, and Avon rivers. After the building of a railway through the area

in 1869, the central part of the valley became increasingly important for apple production.

Because of the apparent adaptability of the region for apples, early promoters spoke in glowing terms of the potential of a 15 million-bushel industry. However, market expansion did not justify these early predictions. The maximum apple crop, in 1933, reached only 8.6 million bushels and, at the present production rate, is only about one-third of this figure.

The Annapolis Valley is narrow, some 10 miles wide at its broad end and tapers gradually to a minimum width of about 3 miles.

The valley lies in a northeast-southwesterly direction about 5 miles inland and parallel to the Bay of Fundy, the body of water which separates the peninsular province of Nova Scotia from the mainland areas of New Brunswick and Maine.

The valley is located between two flat-topped hills, each about 800 feet high, which serve to keep out much of the coastal fog that forms over the cold waters of the north Atlantic during the summer months.

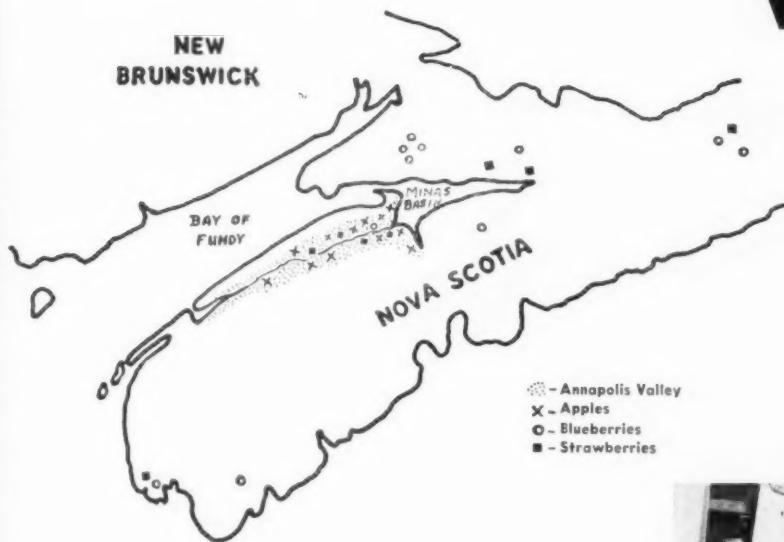
Precipitation averaging 40 inches a year is fairly evenly distributed throughout the year, though tending to be less in July and August. How-

ever quite drastic variations from this average are not infrequent. The climate is maritime, with all-time temperature extremes ranging from about plus 100° to minus 25° F.

The moderating effect in winter of the open water of the Bay of Fundy is particularly noticeable and the minimum temperature seldom drops below 5° to 15° below zero. As a result, it is possible to grow peaches and cherries as well as apples and pears, though the former are marginal crops commercially and must be planted in the most favorable locations, chiefly at the southwestern end of the valley.

The first organized shipment of apples to an overseas market was made to England in 1881. From that time on the English market became increasingly important. During the

S ANNAPOLIS VALLEY



Boat loading apples for overseas during high tide at valley's river port of Port Williams.



Same boat at river's low tide, six hours later.

period of peak production 75 to 80% of the apples grown in Nova Scotia were sold overseas, mostly in the United Kingdom, with minor shipments to the continental European markets.

The result of this concentration on

a single market proved to be serious when overseas shipment was interrupted by World War II, and disastrous when the postwar difficulties of international exchange meant that Britain did not have dollars available for the purchase of apples in quantity.

The loss of the British market brought to the industry a realization that it would be compelled to sell the apples on this continent or not at all.

The result of this loss has been a drastic reconstruction of the industry in the postwar years—a change which has seen the removal of a million trees, a drop in production to

about one-third, a switch in varieties to red strains of North American types, the installation of large central cold storage plants (900,000-bushel total capacity), rapid development of small controlled atmosphere storages (73,000-bushel capacity in 1958), and a packaging shift from wooden barrels to boxes and again to cardboard cell-pack or tray-pack containers.

Throughout the development of the apple industry the dominant organization deciding policy changes has been the Nova Scotia Fruit Growers' Association. Fruit growers in the Annapolis Valley have traditionally



Workers are pictured here packing apples in boxes and polyethylene bags.

been independent operators, even though the United Fruit Companies of Nova Scotia (renamed in 1957 as the Scotian Gold Co-operative Ltd.) have regularly handled at least half the valley crop.

As a result of this system several large independent growers have developed, each with their own production and handling facilities, and market contacts. These, along with Scotian Gold, handle the present production and have evolved an effective marketing procedure.

In recent years only token shipments of apples have been made over-
(Continued on page 11)



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—Lester Dean, President, Grand River Orchards, Geneva, Ohio

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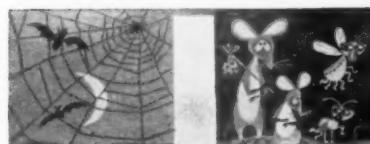
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STYROFOAM

JULY, 1958

ANNEAPOLIS VALLEY

(Continued from page 9)

seas. However, a greatly reduced crop in Europe in 1957 saw the revival of overseas shipments, largely to continental ports. Many of these apples went by chartered ships from the valley's own seaport of Port Williams at the mouth of the Cornwallis River in the midst of the apple orchards. This unique arrangement is made possible by the spectacular 40- to 50-foot tides of the Minas Basin which allow ocean-going ships to move up the Cornwallis River at high tide.

The apple variety picture in Nova Scotia has changed remarkably in recent years, with the present major varieties being Crimson Gravenstein, McIntosh, Red Delicious, Cortland, Wagener, Northern Spy, Golden Russet, and Red Rome Beauty.

In addition a considerable number of culinary varieties still persist which were one time in demand on the British market, such as Baldwin, Gano, King, Stark, Ben Davis. However, most of these are rapidly going out of production.

There is a considerable local market for certain varieties of apples for processing, particularly as solid pack canned apple slices. For the best quality product, the varieties Northern Spy, Gravenstein, Ribston, King, and Wagener are used, though the latter two are considered inferior to the first three. Applesauce, especially of the fall variety Gravenstein, is processed in somewhat smaller quantities. Low grade apples and undesirable culinary sorts go into apple juice and apple concentrate.

Springs are late in Nova Scotia. While this means the risk of frost is less, the period of bloom is frequently one of cool, wet weather. This may seriously affect flower pollination, and many orchards utilize honey bees and imported pollen to insure fruit set.

The relatively high rainfall means that apple scab is an ever present problem calling for a rigorous fungicidal spray program involving 6 to 10 sprays a year. The scarcity of water during some summers in July and August may affect fruit size and development, but rainfall is normally not a serious limiting factor.

Of greater importance is the occasional lack of summer heat. Because of the nearness of modifying bodies of cold water, summer temperatures are sometimes low with resulting poor maturity in later varieties like Red Rome Beauty and Golden Delicious. Long season varieties, like Yellow Newtown, Winesap, and York Imperial, will not grow satisfactorily in the Annapolis Valley.

Insect pests are now of relatively minor importance because it has been possible to use a modified spray program which utilizes the beneficial effects of natural control factors as much as possible. This is not true of the apple maggot, an insect native to this area which must be controlled by chemical methods and, at periodic intervals, threatens to become serious.

In addition to apples, pears are also an important fruit crop, with an annual production of about 45,000 bushels. These are almost entirely of the two varieties, Bartlett and Clapps Favorite, and are used primarily for canning. Nova Scotia has the advantage of freedom from fire blight.

Other tree fruits such as peaches and cherries are marginal because of the danger of winter bud injury or spring frosts. In both these tree fruits winter injury to the trunks of the trees may be serious.

A wild seedling cherry (*Prunus avium*), locally known as the "Bear River Cherry," thrives in the lower part of the valley and seems quite hardy. Enough of these trees have been grown in past years to justify the existence there of an annual cherry festival. The fruits are black and good quality but lack size.

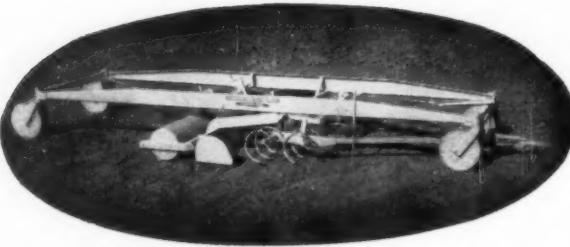
Among the small fruits, blueberries and strawberries are the most important, although two others, raspberries and cranberries, are grown commercially to some extent. Grapes are grown only as a backyard crop.

Both the lowbush and highbush blueberries grow as native plants in the province and are well adapted to Nova Scotia's acid soils. In the last 10 years blueberry production has increased rapidly and is now about 4 million pounds for the whole province. Its final potential is much higher still, particularly if the principal shrubby weed, "lambkill," could be controlled. The center of production is in the area around Parrsboro, north of the Minas Basin. Practically all of the crop is eventually processed.

Strawberries are grown as a commercial crop in the Annapolis Valley and in other scattered locations in the province, especially around Masstown at the upper end of the Minas Basin. The annual production area for all Nova Scotia is around 400 acres, principally of the varieties Premier, Sparkle, Catskill, Senator Dunlap.

Recent plantings are to a large extent of virus-free stock, and nurserymen are organized in a co-operative provincial-federal scheme for the production and maintenance of plants free of virus. Plants are grown in matted rows and sale is chiefly as fresh fruit, though increasing amounts are now frozen.

THE END.



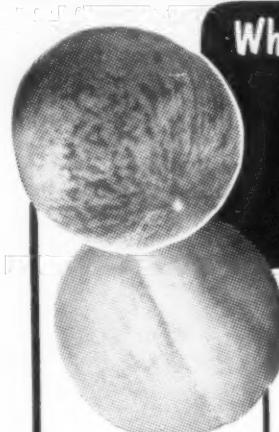
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AMERICAN FRUIT GROWER

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Willoughby, Ohio

CALENDAR OF COMING MEETINGS & EXHIBITS

July 10-11—Indiana Horticultural Society annual summer meeting and orchard tour, Max Kercher's Sunrise Orchard Co., Goshen, Ind.—George A. Adrian, Sec'y, R. R. 4, Box 54-M, Indianapolis 44.

July 17—Pennsylvania, West Virginia, Maryland and Virginia state horticultural societies combined summer meeting, Moore and Dorsey properties, Berryville, Va.—John F. Watson, Sec'y, Staunton.

Fruit tour and meeting, University of Massachusetts; **July 17**—Nashoba area; **July 18**—University in A.M.; Franklin County orchard in P.M.—Wm. J. Lord, Ext. Fruit Spec., U. of Mass., Amherst.

July 23—West Tennessee Experiment Station field day, Jackson.

July 28-30—International Apple Association 64th Annual Convention, Queen Elizabeth Hotel, Montreal, Canada.—Association headquarters, 1302 18th St., N. W., Washington 6, D. C.

July 29—Middle Tennessee Experiment Station field day, Spring Hill.

Aug. 8—Highland Rim Experiment Station field day, Springfield, Tenn.

Aug. 11-12—Summer tour in Champlain-Freelighsburg Canadian area, New York State Horticultural Society—D. M. Dalrymple, Sec'y, Lakeport, N. Y.

Aug. 12-13—Ohio Pesticide Institute, Ohio Agricultural Experiment Station, Wooster.—J. D. Wilson, Sec'y, Wooster.

Aug. 13—Tours of Horticulture Farm, Michigan State University, East Lansing.—A. E. Mitchell, Dept. of Hort.

August 14—Orchard Day, Ohio Agricultural Experiment Station, Wooster.

Aug. 18-20—Northern Nut Growers' Association 39th annual meeting, USDA Plant Industry Station, Beltsville, Md.—Spencer B. Chase, Sec'y, 2338 Parkview Ave., Knoxville, Tenn.

Aug. 20—Purdue University departments of horticulture and plant pathology Orchard Day, Purdue University, W. Lafayette, Ind.—R. B. Tukey, Assoe. in Horticulture, Purdue University.

Aug. 24-28—American Society for Horticultural Science annual meeting, University of Indiana, Bloomington, Ind.—Roy E. Marshall, Sec'y, Michigan State U., East Lansing.

Sept. 3—Soils and Crops Day, Ohio Agricultural Experiment Station, Wooster.

Sept. 8-9—United Fresh Fruit and Vegetable Association, tenth annual merchandising and management conference, Morrison Hotel, Chicago—association offices, 777 14th St., N.W., Washington 5, D.C.; 903 Grand Ave., Kansas City 6, Mo.

Sept. 9—Openhouse at new Ohio Agricultural Experiment Northwestern Substation, Hoytville, program on crops, tillage, and drainage.

Sept. 24-26—Florida Fruit and Vegetable Association 15th annual convention, Hotel Fontainebleau, Miami Beach.

SEEK INCREASE IN MEMBERSHIP

NEW YORK Canning Crop Growers Co-Operative, Inc., will assume responsibility for the membership program of Great Lakes Cherry Producers Marketing Co-operative in New York and will also serve as liaison with processors. A substantial increase in the Great Lakes group is expected.

Purpose of the arrangement is to save Great Lakes the expense of establishing eastern headquarters and to make available to New York cherry growers the marketing service of the Great Lakes organization.

The Great Lakes Co-op, with headquarters in Grand Rapids, Mich., is a national commodity bargaining association. Canning Crop Growers, with a membership of some 1500 growers in a dozen central and western New York counties, is a bargaining association of processing vegetables.—W. S. Stempfle, Sec'y., NYCCGC, P.O. Box 290, Batavia.

AMERICAN FRUIT GROWER

SPERRYVILLE

(Continued from page 7)

from bushel baskets and eastern boxes to mesh and polyethylene bags.

President of the co-op is R. W. Miller, and E. M. Jones is secretary-treasurer. Sales management, as well as management of the cold storage plant, is in the hands of L. J. Kilby.

The storage plant was built to the rear of the packing house so boxed fruit can be conveyed direct from packing line to storage with a minimum of handling. It is modern in every sense, employing the latest types of refrigeration equipment, air purification units, and pallets and fork-lift trucks. Only 4 or 5 workers are needed to handle the storing job.

The building is insulated with 8 inches of cork in the walls and 12 inches in the ceiling. The floor con-

HORTICULTURAL DIRECTORY AVAILABLE

THE Directory of American Horticulture for 1958 may be obtained for \$1.50 a copy from the office of Secretary of American Horticultural Council, c/o Arnold Arboretum, Jamaica Plain 30, Mass.

The 80-page directory lists names and addresses of 418 national, regional, and state horticultural organizations in the U. S., along with the name and address of the president, secretary, and each organization's publications.

Names and addresses of the 103 botanical gardens and arboreta in this country are included, as well as 61 noncommercial garden centers. A total of 294 universities, colleges, and junior colleges teaching horticulture or its related subjects are also listed. All the major horticultural periodicals of the country are included, along with the names of their respective editors.

sists of 4 feet of rock and cinders with a concrete top for work and storing area. To reduce costs of construction, workers at the plant built their own pure air activated carbon units under the direction of manager L. J. Kilby.

Funds for building the storage plant were raised in this manner: each grower purchased a definite space to hold the number of bushels he intended to store, allowing 2½ cubic feet per bushel. The building cost 50 cents per bushel to construct in 1939, or \$30,000 for the 60,000-bushel capacity. Thus, a grower who intended to store 10,000 bushels in the storage purchased space for that quantity, which cost him \$5000. The 1941 addition cost 75 cents per bushel to construct, while the 1946 addition jumped to \$1.25 per bushel.

Operating costs and upkeep of the plant are provided for by charging members a storage fee, which last year was 25 cents per box. Any money remaining in the treasury at the end of the year above actual costs is rebated to the members according to the number of bushels stored. In the 1954-55 marketing season the actual cost of storage was 21 cents per box stored, and the plant was

filled to capacity. The excess returned to growers at the end of the season amounted to \$7250. Greater economy is experienced when the plant is filled to capacity.

In 1946 the Rappahannock Cold Storage built a locker plant addition, then leased it to the Sperryville Locker Plant, thus providing additional income from the refrigeration investment. There are 250 members in the locker plant organization and there is usually a waiting list of new ones.

The Blue Ridge Fruit Growers Cooperative, Inc., was the final organization that gave these progressive growers complete command of their apple marketing program. To build the plant in 1940, stock was sold at \$100 a share. Thirty-four growers took part in this venture to build a modern and efficient apple juice processing plant.

Right from the start emphasis was placed upon quality. Manager H. B. Wood with his production manager, Irvin R. Kilby, put cleanliness first on their list of plant requirements. Processing is done at the rate of about 250 bushels of apples an hour from September to December. Yield of juice runs about 3½ gallons per bushel, and some 100,000 to 150,000 bushels are processed annually. At peak season the plant employs around 35 workers.

Equipment provides for filling 6-, 24-, and 46-ounce cans, or for quart and 32-ounce glass bottles. Warehouse space holds 200,000 cases of packed juice. Last year the co-operative returned to members \$1.25 per 100 pounds for undersized apples processed through the plant.

Success of the juice plant has been due largely to quality of the product sold. Processing begins with graded apples free from rot and worms and of sizes 1½ inches and up. Nylon cloths are used in the presses because they are easily cleaned. Carefully controlled temperature of juice throughout the processing line helps preserve good flavor. Accurate and constant pasteurization temperature followed by quick cooling are important.

One of the production manager Kilby's jobs is to keep careful check on the line by taking samples frequently to the laboratory and checking them for vacuum, temperature, fill, acid content, ascorbic acid, soluble solids, and flavor.

The Sperryville area, in sight of picturesque Skyline Drive, is one of small to moderate-sized orchards ranging from 10 to 500 acres. This three-way co-operative effort has made it possible for these growers to remain in business, yet meet the market competition presented by large growers and buyers. THE END.

Are they
RIPE
enough?



Fruit Pressure
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Used in cover sprays, Glyodin controls scab and summer diseases such as sooty blotch and Brooks spot. It is ideal with ferbam for control of rust and

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CRAG Glyodin improves the performance of some commonly-used insecticides for better control of codling moth, curculio, red-banded leaf roller, and green and rosy aphids.

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In MASSACHUSETTS and New England States. Write . . .

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Fiorelli, Inc., 13 S.W. Cut-off, Worcester 4, Phone Swift 9-6316

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In OREGON, Write . . .

Columbia Ladder Co., 1509 S. E. Powell
Blvd., Portland 2

Farm Tool & Eqpt., Route 2, Box 444,
Cornelius, Ph. El. 7-3362

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Tyson Orchard Service, Flora Dale
Complete Line of Tools, Equipment and
Chemicals for the Orchard

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Agricultural Chemicals, Weed and Brush
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Wenatchee

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Rt. 1, Brodhead

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"Bill" Appler, Mgr., Dept. VF, 704 Con-
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Hardie Sprayers, Irrigation Equipment,
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Brush Shredders, Friend & Trescott Fruit
& Vegetable Graders-Washers, Prepackaging
& Bagging Equipment, Cold Storage Con-
sulting Specialists

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Zineb	23
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AMERICAN FRUIT GROWER



Some phosphate insecticides may damage the fruit and foliage of sensitive apple varieties. Malathion offers a wide margin of safety to both fruit and foliage.

Now...a phosphate insecticide for your fine finish program

FINISH-AFFECTING factors such as rain, sunshine and hail are beyond grower control. However, one major factor affecting fruit finish that growers *can* control is the selection of pesticides. For example, some phosphate insecticides may damage fruit and foliage of sensitive varieties such as Macs and Cortlands. To minimize the problem, many states are specifying malathion as the phosphate for fine finish programs. It kills major fruit insects, yet offers a wide margin of safety to fruit and foliage.



Typical red-banded leaf roller damage.

Growers who must use a phosphate to control resistant insects, and who have finish problems, are relying on malathion-based schedules.

Effective against resistant pests
In New York State in 1957, red-banded leaf roller resistant to DDD, was controlled with malathion. And malathion has been on the job since resistant codling moth first appeared in the Midwest in 1954. As these pests continue to spread, malathion insecticides are becoming more widely used.

Several other advantages

Controls nearly all major fruit pests. Malathion controls 36 different fruit pests including aphids, mealybugs, codling moths, leaf rollers, scales, pear psylla and oriental fruit moth.

Lets you spray close to harvest. Malathion kills insects fast, thoroughly. Its residues disappear rapidly. And it has a high residue tolerance. Together, these features make malathion ideal for late season infestations. It can be applied up to 72 hours from harvest on apples, pears, cherries and grapes. Up to 7 days on peaches and apricots.

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Compatible with other chemicals. Malathion is compatible with most other insecticides and fungicides.



With malathion...
no respirator needed.

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Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N.J.
Chipman Chemical Co., Inc., Bound Brook, N.J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N.J.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.
S. B. Penick & Co., 50 Church St., New York 8, N.Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Pittsburgh Coke & Chemical Co., 2000 Grant Bldg., Pittsburgh 19, Pa.
Shell Chemical Corp., 460 Park Ave., New York, N.Y.
Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland, Ohio
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 2727 W. Hyperion, Los Angeles, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Ave., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

*ARAMITE

Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N.J.
Chipman Chemical Co., Inc., Bound Brook, N.J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N.J.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Naugatuck Chemical Div., U.S. Rubber Co., Naugatuck, Conn.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.
S. B. Penick & Co., 50 Church St., New York 8, N.Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.
Swift & Co., Agricultural Chemical Div., Union Stock Yards, Chicago 9, Ill.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 2727 W. Hyperion, Los Angeles, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

BENZENE HEXACHLORIDE, LINDANE

Associated Chemists, Inc., Agri. Chemicals Div., North Collins, N.Y.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N.J.
Central Chemical Corp., Hagerstown, Md.
Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N.J.
Chipman Chemical Co., Inc., Bound Brook, N.J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N.J.
Diamond Alkali Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.
S. B. Penick & Co., 50 Church St., New York 8, N.Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Pittsburgh Coke & Chemical Co., 2000 Grant Bldg., Pittsburgh 19, Pa.
B. G. Pratt Co., 204 21st Ave., Paterson, N.J.
Prentiss Drug & Chem. Co., Inc., 110 William St., N.Y. 38, N.Y.
Sennewald Drug Co., 2723 Chouteau Ave., St. Louis, Mo.
Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.
Swift & Co., Agricultural Chemical Div., Union Stock Yards, Chicago 9, Ill.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 2727 W. Hyperion, Los Angeles, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

CHLORDANE

Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.; Haddonfield, N.J.
Central Chemical Corp., Hagerstown, Md.
Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N.J.
Chipman Chemical Co., Inc., Bound Brook, N.J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N.J.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Naugatuck Chemical Div., U.S. Rubber Co., Naugatuck, Conn.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.
S. B. Penick & Co., 50 Church St., New York 8, N.Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Pittsburgh Coke & Chemical Co., 2000 Grant Bldg., Pittsburgh 19, Pa.
B. G. Pratt Co., 204 21st Ave., Paterson, N.J.
Prentiss Drug & Chem. Co., Inc., 110 William St., N.Y. 38, N.Y.
Sennewald Drug Co., 2723 Chouteau Ave., St. Louis, Mo.
Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.
Swift & Co., Agricultural Chemical Div., Union Stock Yards, Chicago 9, Ill.

*CHLOROBENZILATE

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Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

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California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N.J.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.

DDD (TDE)

Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.; Haddonfield, N.J.
Central Chemical Corp., Hagerstown, Md.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N.J.
Chipman Chemical Co., Inc., Bound Brook, N.J.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.
Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa.
Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.
Swift & Co., Agricultural Chemical Div., Winter Haven, Fla.
Thompson-Hayward Chem. Co., 2915 Southwest Ave., Kansas City, Mo.
Wilson & Toomer Fertilizer Co., Jacksonville, Fla.
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

DDT

Associated Chemists, Inc., Agri. Chemicals Div., North Collins, N.Y.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N.J.
Central Chemical Corp., Hagerstown, Md.
Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N.J.
Chipman Chemical Co., Inc., Bound Brook, N.J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N.J.
Diamond Alkali Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Geigy Agricultural Chemicals, Div. of Geigy Chemical Corp., P.O. Box 430, Yonkers, N.Y.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Monsanto Chemical Co., Lindberg & Olive St. Road, St. Louis 24, Mo.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.
S. B. Penick & Co., 50 Church St., New York 8, N.Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Pittsburgh Coke & Chemical Co., 2000 Grant Bldg., Pittsburgh 19, Pa.
B. G. Pratt Co., 204 21st Ave., Paterson, N.J.
Prentiss Drug & Chem. Co., Inc., 110 William St., N.Y. 38, N.Y.
Shell Chemical Corp., 460 Park Ave., New York, N.Y.
Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.
Swift & Co., Agricultural Chemical Div., Union Stock Yards, Chicago 9, Ill.

DEMETON

Chemagro Corp., 437 Fifth Ave., New York, N.Y.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.

*DIAZINON

Geigy Agricultural Chemicals, Div. of Geigy Chemical Corp., P.O. Box 430, Yonkers, N.Y.
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Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N.J.
Dow Chemical Co., Agricultural Chemicals Dept., Midland, Mich.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.
Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio
Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N.J.

*Company's brand name.

AMERICAN FRUIT GROWER

ENDRIN

Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.; California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N.J.; Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N.J.; Chipman Chemical Co., Inc., Bound Brook, N.J.; General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.; Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.; Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.; Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.; Shell Chemical Corp., 460 Park Ave., New York, N.Y.; Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.; Velsicol Chemical Corp., 330 E. Grand Ave., Chicago 11, Ill.

EPN

E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.; Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

*GUTHION

Chemagro Corp., 437 Fifth Ave., New York 16, N.Y.; Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

*GENITE EM-923

General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.

*KELTHANE

Miller Chemical & Fertilizer Co., 2226 N. Howard St., Baltimore 18, Md.; Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.; Rohm & Haas Co., Washington Sq., Philadelphia 5, Pa.

MALATHION

American Cyanamid Co., Agricultural Div., 30 Rockefeller Plaza, N.Y. 20, N.Y.; Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.; California Spray-Chemical Corp., Richmond, Calif.; Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N.J.; Chipman Chemical Co., Inc., Bound Brook, N.J.; General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.; Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.; Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.; Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.; B. G. Pratt Co., 204 21st Ave., Paterson, N.J.; Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio; Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.; Swift & Co., Agricultural Chemical Div., Union Stock Yards, Chicago 9, Ill.

METHOXYCHLOR

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N.J.; Chipman Chemical Co., Inc., Bound Brook, N.J.; E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.; Geigy Agricultural Chemicals, Div. of Geigy Chemical Corp., P.O. Box 430, Yonkers, N.Y.; General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.; Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.; Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.; Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.; Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y.; 636 California St., San Francisco 8, Calif.

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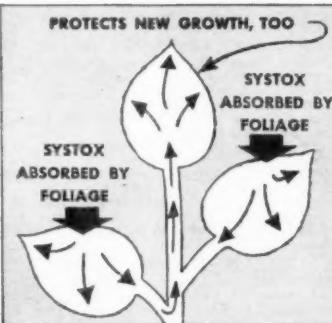
Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.; California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N.J.; Central Chemical Corp., Hagerstown, Md.; General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.; Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.; Philip Bros. Chemicals, Inc., 37 Wall St., N.Y. 5, N.Y.; B. G. Pratt Co., 204 21st Ave., Paterson, N.J.; Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland 1, Ohio; Stauffer Chemical Co., 636 California St., San Francisco 8, Calif.

*Company's brand name.

JULY, 1958

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"Inoculates" whole tree against sucking pests...lasts longer... costs less per season.



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Systox spray on foliage is absorbed into the sap stream where it translocates, protecting the entire tree, even new growth developing after application. Systox even kills insects on the undersides of leaves where they are often missed by ordinary chemicals.

Orchards sprayed with Systox, the revolutionary systemic insecticide, have "built-in" protection against aphids, mites and certain leafhoppers.

Systox is absorbed by the foliage. And the entire tree, including new growth developed after application, is rendered toxic to these sucking insects. Because Systox does its work in the sap stream of the tree, it can't be washed off by rain... it's harmless to beneficial insects after application... lasts longer... costs less per season.

Don't let aphids and mites rob you of fruit income this year. Buy Systox from your Farm Supply Dealer and insure a top profit from your orchard.

No other insecticide offers these important advantages

SYSTOX is harmless to beneficial insects after application.

SYSTOX lasts longer, requires fewer applications.

SYSTOX is absorbed into the foliage of the tree, can't be washed off by rain.

SYSTOX works in the sap stream—protects entire tree—guards new growth as it forms.

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 California Spray-Chemical Corp., Richmond, Calif.;
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 Central Chemical Corp., Hagerstown, Md.
 Dow Chemical Co., Agricultural Chemicals Div.,
 Midland, Mich.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Port-
 land 1, Ore.
 Niagara Chemical Div., Food Machinery & Chemi-
 cal Corp., Middleport, N.Y.
 B. G. Pratt Co., 204 21st Ave., Paterson, N.J.
 Shell Chemical Corp., 460 Park Ave., New York, N.Y.
 Sherwin-Williams Co., 101 Prospect Ave., N.W.,
 Cleveland 1, Ohio
 Standard Agricultural Chemicals, Inc., Hoboken,
 N.J.
 Stauffer Chemical Co., 2009 Orient Rd., Tampa, Fla.
 Sun Oil Co., 1608 Walnut St., Philadelphia 3, Pa.
 Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

OVEX

California Spray-Chemical Corp., Richmond, Calif.;
 Haddonfield, N.J.
 Chemical Insecticide Corp., 30 Whitman Ave.,
 Metuchen, N.J.
 Dow Chemical Co., Agricultural Chemicals Div.,
 Midland, Mich.
 General Chemical Div., Allied Chemical Corp., 40
 Rector St., New York 6, N.Y.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.
 Pittsburgh Plate Glass Co., 2200 Grant Bldg., Pitts-
 burgh 19, Pa.
 Stauffer Chemical Co., 380 Madison Avenue, New
 York 17, N.Y.; 636 California St., San Francisco 8,
 Calif.

PARATHION

American Cyanamid Co., Agricultural Div., 30 Rocke-
 feller Plaza, N.Y. 20, N.Y.
 American Potash & Chemical Corp., 3100 E. 26th St.,
 Los Angeles 23, Calif.
 Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
 California Spray-Chemical Corp., Richmond, Calif.;
 Haddonfield, N.J.
 Central Chemical Corp., Hagerstown, Md.
 Chemagro Corp., 437 Fifth Ave., New York, N.Y.
 Chemical Insecticide Corp., 30 Whitman Ave.,
 Metuchen, N.J.
 Chipman Chemical Co., Inc., Bound Brook, N.J.
 Corona Chemical Div., Pittsburgh Plate Glass Co.,
 Moorestown, N.J.
 General Chemical Div., Allied Chemical Corp., 40
 Rector St., New York 6, N.Y.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Port-
 land 1, Ore.
 Monsanto Chemical Co., Lindberg & Olive St. Road,
 St. Louis 24, Mo.
 Niagara Chemical Div., Food Machinery & Chemi-
 cal Corp., Middleport, N.Y.
 Pennsalt of Washington Div., 2901 Taylor Way,
 Tacoma 2, Wash.
 Pittsburgh Coke & Chemical Co., 2200 Grant Bldg.,
 Pittsburgh 19, Pa.
 Sherwin-Williams Co., 101 Prospect Ave., N.W.,
 Cleveland 1, Ohio
 Stauffer Chemical Co., 380 Madison Ave., N.Y. 17,
 N.Y.; 636 California St., San Francisco 8, Calif.
 Swift & Co., Agricultural Chemical Div., Union Stock
 Yards, Chicago 9, Ill.
 Thompson-Hayward Chemical Co., 2915 Southwest
 Blvd., Kansas City, Mo.
 Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

*PERTHANE

Rohm & Haas Co., Washington Sq., Philadelphia 5,
 Pa.

PYRETHRUM & ROTENONE

American Agricultural Chemical Co., 50 Church
 St., N.Y. 7, N.Y.
 Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
 California Spray-Chemical Corp., Richmond, Calif.;
 Haddonfield, N.J.
 Central Chemical Corp., Hagerstown, Md.
 Chemical Insecticide Corp., 30 Whitman Ave.,
 Metuchen, N.J.
 Chipman Chemical Co., Inc., Bound Brook, N.J.
 Corona Chemical Div., Pittsburgh Plate Glass Co.,
 Moorestown, N.J.
 General Chemical Div., Allied Chemical Corp., 40
 Rector St., New York 6, N.Y.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Port-
 land 1, Ore.
 Niagara Chemical Div., Food Machinery & Chemi-
 cal Corp., Middleport, N.Y.
 S. B. Penick & Co., 50 Church St., New York 8, N.Y.
 B. G. Pratt Co., 204 21st Ave., Paterson, N.J.
 Stauffer Chemical Co., 380 Madison Ave., N.Y. 17,
 N.Y.; 636 California St., San Francisco 8, Calif.
 Swift & Co., Agricultural Chemical Div., Union Stock
 Yards, Chicago 9, Ill.
 Thompson Chemicals Corp., 3028 Locust St., St.
 Louis 3, Mo.; 2727 W. Hyperion, Los Angeles, Calif.

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 St., Baltimore 18, Md.
 S. B. Penick & Co., 50 Church St., New York 8, N.Y.

SEVIN

Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.

Union Carbide Chemicals Co., CRAG Agricultural
 Chemicals, 180 S. Broadway, White Plains, N.Y.

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Colloidal Products Corp., 100 Gate 5 Road, Sausalito, Calif.
 General Chemical Div., Allied Chemical Corp., 40
 Rector St., New York 6, N.Y.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Port-
 land 1, Ore.
 Rohm & Haas Co., Washington Square, Philadelphia
 5, Pa.
 Sherwin-Williams Co., 101 Prospect Ave., N.W.,
 Cleveland 1, Ohio
 Stauffer Chemical Co., 636 California St., San Fran-
 cisco 8, Calif.

TETRAETHYL PYROPHOSPHATE

American Potash & Chemical Corp., 3100 E. 26th St.,
 Los Angeles 23, Calif.
 Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
 California Spray-Chemical Corp., Richmond, Calif.;
 Haddonfield, N.J.
 Central Chemical Corp., Hagerstown, Md.
 Corona Chemical Div., Pittsburgh Plate Glass Co.,
 Moorestown, N.J.

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Crown Gall ON	Red Mite ON	Red Mite ON	Plums Cane Fruits
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 mower in orchards, vineyards, ditches,
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 Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Port-
 land 1, Ore.
 Monsanto Chemical Co., Lindberg & Olive St. Road,
 St. Louis 24, Mo.
 Niagara Chemical Div., Food Machinery & Chemi-
 cal Corp., Middleport, N.Y.
 Sherwin-Williams Co., 101 Prospect Ave., N.W.,
 Cleveland 1, Ohio
 Stauffer Chemical Co., 380 Madison Ave., N.Y. 17,
 N.Y.; 636 California St., San Francisco 8, Calif.
 Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

TOXAPHENE

American Potash & Chemical Corp., 3100 E. 26th St.,
 Los Angeles 23, Calif.
 Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
 California Spray-Chemical Corp., Richmond, Calif.,
 Haddonfield, N.J.
 Central Chemical Corp., Hagerstown, Md.
 Chemical Insecticide Corp., 30 Whitman Ave.,
 Metuchen, N.J.
 Chipman Chemical Co., Inc., Bound Brook, N.J.
 Corona Chemical Div., Pittsburgh Plate Glass Co.,
 Moorestown, N.J.
 General Chemical Div., Allied Chemical Corp., 40
 Rector St., New York 6, N.Y.
 Hercules Powder Co., Inc., 900 Market St., Wilming-
 ton, Del.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Port-
 land 1, Ore.
 Niagara Chemical Div., Food Machinery & Chemi-
 cal Corp., Middleport, N.Y.
 Pennsalt of Washington Div., 2901 Taylor Way,
 Tacoma 2, Wash.
 Stauffer Chemical Co., 380 Madison Ave., N.Y. 17,
 N.Y.; 636 California St., San Francisco 8, Calif.
 Swift & Co., Agricultural Chemical Div., Union Stock
 Yards, Chicago 9, Ill.
 Thompson Chemicals Corp., 3028 Locust St., St.
 Louis 3, Mo.; 2727 W. Hyperion, Los Angeles,
 Calif.
 Thompson-Hayward Chemical Co., 2915 Southwest
 Blvd., Kansas City, Mo.
 Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

*TRITHION

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 N.Y.

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 feller Plaza, N.Y. 20, N.Y.
 California Spray-Chemical Corp., Richmond, Calif.,
 Haddonfield, N.J.
 Merck & Co., Inc., Rahway, N.J.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Port-
 land 1, Ore.
 Chas. Pfizer & Co., Inc., 630 Flushing Ave., Brook-
 lyn, N.Y.
 E. R. Squibb & Sons Div., 745 Fifth Ave., N.Y. 22,
 N.Y.

STREPTOMYCIN-NITRATE

Olin Mathieson Chemical Corp., 10 Light St., Balti-
 more 3, Md.

STREPTOMYCIN-TERRAMYCIN

Chimpan Chemical Co., Inc., Bound Brook, N.J.
 General Chemical Div., Allied Chemical Corp., 40
 Rector St., New York 6, N.Y.
 Chas. Pfizer & Co., Inc., 630 Flushing Ave., Brook-
 lyn, N.Y.

CAPTAN

California Spray-Chemical Corp., Richmond, Calif.;
 Haddonfield, N.J.
 Miller Chemical & Fertilizer Corp., 2226 N. Howard
 St., Baltimore 18, Md.
 Miller Products Co., Ft. of S. W. Caruthers, Port-
 land 1, Ore.
 Stauffer Chemical Co., 380 Madison Ave., N.Y. 17,
 N.Y.; 636 California St., San Francisco 8, Calif.

*Company's brand name.

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thiram fungicide



PARZATE®—Lasts a long time for effective control of summer diseases of apples
zineb fungicide

Growers in the areas shown on the map to the right will want to take advantage of Du Pont "Parzate" zineb fungicide in their cover programs. Most of these states recommend one pound of "Parzate" zineb plus another fungicide in two or more cover sprays because "Parzate" is longer-lasting for effective control of (1) secondary (summer) scab; (2) sooty blotch and flyspeck. "Parzate" is also a recognized high-finish fungicide and may be used on both Golden Delicious and red varieties. When you buy zineb, ask for Du Pont "Parzate" zineb.

Season after season for over 16 years, Du Pont "Fermate" ferbam fungicide has given effective, low-cost protection against scab, rust, frog-eye leaf spot and more minor diseases than any other fungicide. Mild "Fermate" sticks to fruit and leaves, redistributes well, contributes to deep green, healthy leaves—as on the McIntosh tree to the left—and increased yields of finer fruit. For versatility plus economy in your cover program on red varieties, Du Pont "Fermate" can't be beaten.

Du Pont "Thylate" thiram fungicide controls scab, rust and more apple diseases than any other fungicide. Light-colored "Thylate" can be used on all varieties and gives a fine finish to all of them—even to tender varieties like Golden Delicious. With "Thylate," russetting is no problem. Try Du Pont "Thylate" in your cover-spray program—it's available at a new reduced price to give economy-minded growers complete control of apple diseases, plus fine fruit finish. The exceptionally fine finish of the Golden Delicious to the left resulted from using "Thylate."



On all chemicals, follow label instructions and warnings carefully.

DU PONT
REG. U. S. PAT. OFF.
BETTER THINGS FOR BETTER LIVING...THROUGH CHEMISTRY



You're sure of better peach protection once you know the facts about Captan

You won't find a more dependable, proved fungicide than Captan. It gives you the best disease control money can buy. That makes Captan much more economical than so-called "bargain sprays." Fact is, you'll get your money back many times over. Use it from shuck-off to harvest for better finish . . . better shipping quality. Captan not only protects peaches against brown rot, but other diseases, too. That means you'll get top prices every harvest season. Ask your dealer for free Captan Spray Charts for peaches and apples.



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North Portland • Weslaco • Lubbock • Harvey • North Little Rock

FUNGICIDES

CHLORANIL

Central Chemical Corp., Hagerstown, Md.
General Chemical Div., Allied Chemical Corp., 40
Rector St., New York 6, N. Y.
Naugatuck Chemical Div., U. S. Rubber Co.,
Naugatuck, Conn.

COPPER COMPOUNDS

California Spray-Chemical Corp., Richmond, Calif.;
Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chapman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co.,
Moorestown, N. J.
E. I. du Pont de Nemours & Co., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chemical Corp., 40
Rector St., New York 6, N. Y.
Hercules Powder Co., Inc., 900 Market St., Wilmington, Del.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Phelps Dodge Refining Corp., 300 Park Ave., N. Y., N. Y.
Philip Bros. Chemicals, Inc., 37 Wall St., N. Y. 5, N. Y.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y. and 636 California St., San Francisco, Calif.
Swift & Co., Agricultural Chemical Div., Union Stock Yards, Chicago 9, Ill.; Winter Haven, Fla.
Tennessee Corp., 619 Grant Bldg., Atlanta 1, Ga.
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

COPPER ZINC CHROMATE

Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Union Carbide Chemicals Co., CRAG Agricultural Chemicals, 180 S. Broadway, White Plains, N. Y.

DICHLONE

Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
Chapman Chemical Co., Inc., Bound Brook, N. J.
General Chemical Div., Allied Chemical Corp., 40
Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers St., Portland 1, Ore.
Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.

FERBAM

Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
California Spray-Chemical Corp., Richmond, Calif.;
Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chapman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co.,
Moorestown, N. J.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chemical Corp., 40
Rector St., New York 6, N. Y.
B. F. Goodrich Chemical Co., 2060 E. 9th St.,
Cleveland 15, O.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

GLYODIN

W. H. Barber Co., 3650 S. Homan Ave., Chicago 32, Ill.
Diamond Fertilizer Co., 1517 Fifth St., Sandusky, Ohio.
EZ Flo Chemical Co., Box 808, Lansing 1, Mich.
G. L. F. Soil Building Service, Terrace Hill, Ithaca, N. Y.
Hubbard Hall Chemical Co., Box 233, Portland, Conn.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Sodus Fruit Exchange, Sodus, Mich.
Union Carbide Chemicals Co., CRAG Agricultural Chemicals, 180 S. Broadway, White Plains, N. Y.

AMERICAN FRUIT GROWER

*KARATHANE

Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Panogen Inc., Div. of Morton Chemical Co., Ringwood, Ill.
Rohm & Haas Co., Washington Sq., Philadelphia 5, Pa.

MANEB, NABAM

Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N. J.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Rohm & Haas Co., Washington Sq., Philadelphia 5, Pa.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.

ORGANO-MERCURI

Chemley Products Co., 5744 N. Western Ave., Chicago 45, Ill.
Chapman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Panogen Inc., Div. of Morton Chemical Co., Ringwood, Ill.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.

SULFURS

Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Chapman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N. Y.
Koppers Co., Inc., Koppers Bldg., Pittsburgh 19, Pa.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
B. G. Pratt Co., 204 21st Ave., Paterson, N. J.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco, Calif.
Swift & Co., Agricultural Chemical Div., Winter Haven, Fla.
Tennessee Corp., 619 Grant Bldg., Atlanta 1, Ga.
Woolfolk Chemical Works, Ltd., Fort Valley, Ga.

THIRAM

E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.

ZINEB

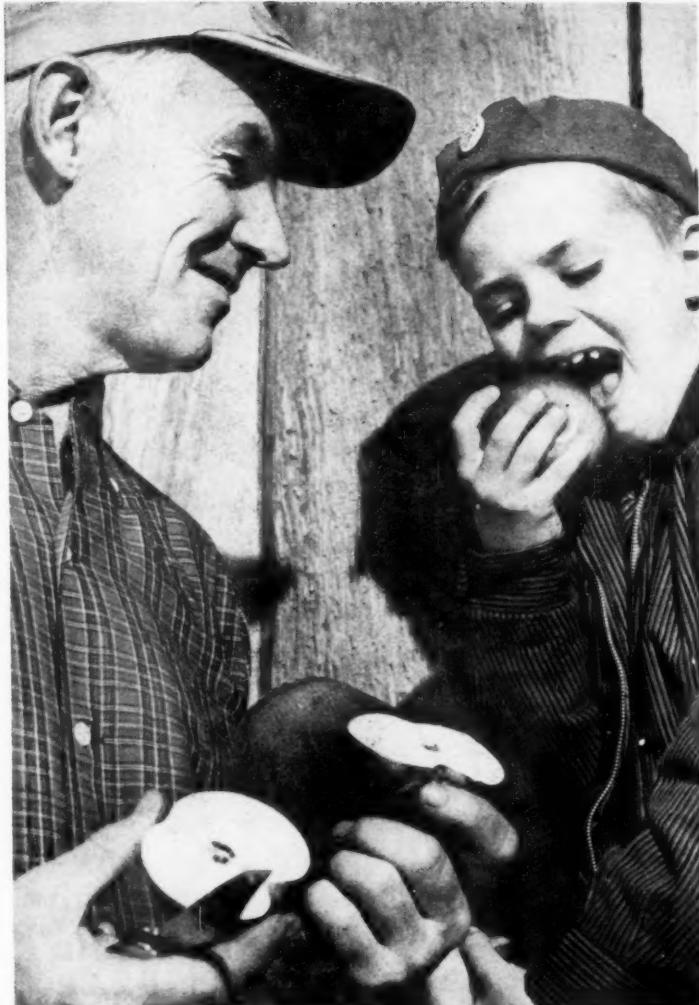
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Rohm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.
Thompson-Hayward Chemical Co., 2915 Southwest Blvd., Kansas City, Mo.

ZIRAM

Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N. Y.
B. F. Goodrich Chemical Co., 2060 E. 9th St., Cleveland 15, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Stauffer Chemical Co., 636 California St., San Francisco 8, Calif.

*Company's brand name.

JULY, 1958



Captan-protected apples make sense because they make more money for you

That's because nothing controls major apple diseases all season long like Captan. It's the most dependable fungicide available to profit-minded growers. No other fungicide gives such complete control of scab . . . sooty blotch . . . black rot . . . bitter rot . . . white rot and other summer diseases. And when it comes to scab infections, Captan has good back-action, too. Yet it's kind to fruit and foliage. Year after year, Captan pays off in richer yields. You'll also get fancy finish and top keeping quality. That makes Captan much more profitable than so-called "bargain sprays." Ask your local dealer for Captan Spray Charts for apples and peaches.

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National Gypsum Co., 325 Delaware St., Buffalo, N. Y.
Ohio Lime Co., Woodville, Ohio
Philipp Brothers Chemicals, Inc., 37 Wall St., N. Y., 5, N. Y.
Scioto Lime & Stone Co., Delaware, Ohio
United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.
Warren Co., Bellefonte, Pa.
Woodville Lime Products Co., Toledo, Ohio

AMMONIUM NITRATE

Allied Chemical Corp., Nitrogen Div., 40 Rector St., N. Y. 6, N. Y.
American Cyanamid Co., Phosphates & Nitrogen Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Cominco Products, Inc., 933 W. 3rd Ave., Spokane 4, Wash.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

AMMONIUM NITRATE LIMESTONE

Allied Chemical Corp., Nitrogen Div., 40 Rector St., N. Y. 6, N. Y.

AMMONIUM SULFATE

Cominco Products, Inc., 933 W. 3rd Ave., Spokane 4, Wash.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

ANHYDROUS AMMONIA

Allied Chemical Corp., Nitrogen Div., 40 Rector St., N. Y. 6, N. Y.
American Cyanamid Co., Agricultural Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Cominco Products, Inc., 933 W. 3rd Ave., Spokane 4, Wash.
Dow Chemical Co., Agricultural Chemical Div., Midland, Mich.
Grand River Chemical Div., Deere & Co., Pryor, Okla.
Olin-Mathieson Chemical Corp., Mathieson Bldg., Baltimore, Md.
Shell Chemical Corp., 460 Park Ave., N. Y., N. Y.

BORAX

American Potash & Chemical Corp., 3030 W. 6th, Los Angeles 54, Calif.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Pacific Coast Borax Co., 100 Park Ave., N. Y. 17, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y.; 636 California St., San Francisco 8, Calif.

CALCIUM CYANAMID

American Cyanamid Co., Agricultural Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

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Crown Zellerbach Corp., Chemical Products Div., Camas 5, Wash.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
Geigy Agricultural Chemicals, Div. of Geigy Chemical Corp., P. O. Box 430, Yonkers, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Portland 1, Ore.
Refined Products Corp., Lyndhurst, New Jersey
Victor Chemical Works, 155 N. Wacker Drive, Chicago 6, Ill.

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Copper Sulfate

The most troublesome plant diseases are controlled with Copper Sulfate Bordeaux — Bitter Rot, Scab, Blotch, Fruit Spot, Black Rot, Cloud and Phoma Fruit Spot of Apple, Anthracnose of Cantaloupe, Watermelon and Small Fruits, Black Rot, Bitter Rot and Downy Mildew of Grape, and many of the diseases attacking the foliage and fruit of citrus and nut trees.

Triangle Brand Copper Sulfate and Basic Copper Sulfate in sprays and dusts are known to be dependable in combating these diseases. More than 70 years of superior performance has eliminated the risks that successful growers refuse to take when profits are at stake.

Control scum and algae in farm ponds with Triangle Brand Copper Sulfate. Send for free booklet giving instructions.



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* SEQUESTRENE is the brand name for chelating compounds sold by Geigy Agricultural Chemicals, division of Geigy Chemical Corporation.

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Republic Chemical Corp., 94 Beekman St., N. Y. 38, N. Y.
Tennessee Corp., 617-29 Grant Bldg., Atlanta 1, Ga.

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AMERICAN FRUIT GROWER

*FERRIC SULFATE

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LIQUID FERTILIZERS

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Clover Chemical Co., Box 10865, Pittsburgh 36, Pa.
Cominco Products, Inc., 933 W. 3rd Ave., Spokane 4, Wash.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

MAGNESIUM SULFATE

Dow Chemical Co., Agricultural Chemical Div., Midland, Mich.
E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N. Y.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
International Minerals & Chemical Corp., 20 N. Wacker Dr., Chicago 6, Ill.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

MANGANESE SULFATE

E. I. du Pont de Nemours & Co., Inc., Grasselli Chem. Dept., Wilmington, Del.
Eastman Chemical Products, Inc., 260 Madison Ave., New York 16, N. Y.
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio
Merck & Co., Inc., Rahway, N. J.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Tennessee Corp., 619 Grant Bldg., Atlanta 1, Ga.

NITRATE OF POTASH

Chilean Nitrate Educational Bureau, Inc., 120 Broadway, N. Y. 5, N. Y.
Stauffer Chemical Co., 350 Madison Ave., N. Y. 17, N. Y.

NITRATE OF SODA

Allied Chemical Corp., Nitrogen Div., 40 Rector St., N. Y. 6, N. Y.
Chilean Nitrate Educational Bureau, Inc., 120 Broadway, N. Y. 5, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Swift & Co., Agricultural Chemical Div., Union Stock Yards, Chicago 9, Ill.

NITROGEN SOLUTIONS

Allied Chemical Corp., Nitrogen Div., 40 Rector St., N. Y. 6, N. Y.
American Cyanamid Co., Agricultural Div., 30 Rockefeller Plaza, N. Y. 20, N. Y.
H. D. Campbell Co., 106 Market St., Rochelle, Ill.
Cominco Products, Inc., 933 W. 3rd Ave., Spokane 4, Wash.
Grace Chemical Co., 501 Edway Bldg., Memphis 1, Tenn.

Please consult Alphabetical Index on pages 15 and 16

NUTRITIONAL FOLIAR PLANT FOODS AND STARTER SOLUTIONS

Amchem Products, Inc., Amherst, Pa.
Benson-MacLean, Bridgeton, Ind.
Chatelier Plant Food, Box 119-A, St. Petersburg 4, Fla.
Clover Chemical Co., Box 10865, Pittsburgh 36, Pa.
Davison Chemical Co., Div. of W. R. Grace & Co., 101 N. Charles St., Baltimore 3, Md.
E. I. du Pont de Nemours & Co., Wilmington 98, Del.
Kapco Div., Summers Fertilizer Co., Inc., McKeesport, Pa.
Marion Chemical Co., Marion, Ohio
McCormick and Co., 414 Light St., Baltimore 2, Md.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Monsanto Chemical Co., Lindberg & Olive St. Road, St. Louis 24, Mo.
"Na-churs" Plant Food Co., Marion, Ohio
Ra-Pid-Gro Corp., Box 13, Dansville, N. Y.
Stern's Nurseries, 404 William St., Geneva, N. Y.
Swift & Co., Agricultural Chemical Div., Union Stock Yards, Chicago 9, Ill.
Victor Chemical Works, 155 N. Wacker Dr., Chicago 6, Ill.

NUTRITIONAL TRACE ELEMENTS

Ferro Corp., Agricultural Div., 4150 E. 56th St., Cleveland 5, Ohio
Geigy Agricultural Chemicals, Div. of Geigy Chemical Corp., P. O. Box 430, Yonkers, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Tennessee Corp., 619 Grant Bldg., Atlanta 1, Ga.

PLANT TESTING KIT

S. N. Bray, 512 W. Washington St., Urbana, Ill.

*Company's brand name.

JULY, 1958



Swift's Plant Foods trigger new Yield Energy

Fruit crops take on new power to produce when fed with Swift's Plant Foods. The extra growth elements in these Specialized Crop Makers trigger new yield energy from the soil... actually make each acre of land worth more to you.

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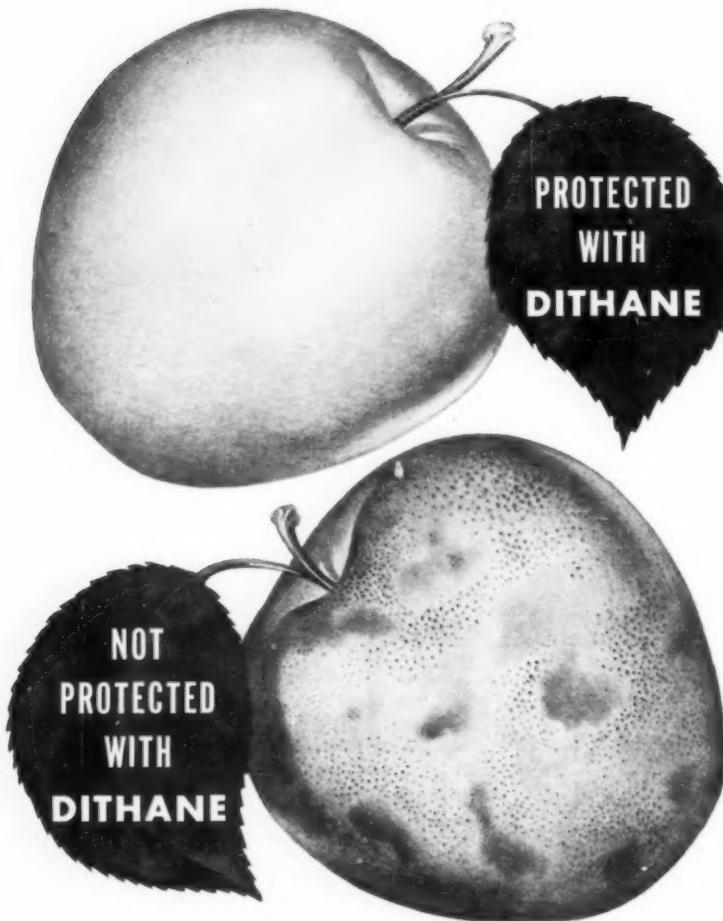
There is a Swift's Plant Food that is just right for your crop. Your Swift Agent or Dealer will be glad to help you plan a soil fertility program using **Vigoro Commercial Grower**, **Brimm**, **Blenn** or **Red Steer**. Contact your nearest Swift office.



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When used in cover sprays, DITHANE Z-78 also gives first-rate protection from apple blotch, Brooks spot, rot diseases, and late season scab. It does not harm fruit, foliage or sprayer operators when used as recommended. So be sure to spray DITHANE Z-78 this summer. It's recommended by all important apple-growing states where late summer diseases are a problem.

DITHANE Z-78

protects apples longer from summer diseases

Dithane is a trade-mark,
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American Potash Institute, 1102 16th St., N. W.
Washington 6, D. C.
International Minerals & Chem. Corp., 20 N.
Wacker Dr., Chicago 6, Ill.
Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y.
5, N. Y.
United States Potash Co., 30 Rockefeller Plaza,
N. Y. 20, N. Y.

SOIL CONDITIONERS

Benson-Maclean, Bridgeton, Ind.
California Spray Chemical Corp., Richmond, Calif.;
Haddonfield, N. J.
B. F. Goodrich Chemical Co., 2060 E. 9th St.,
Cleveland 15, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Monsanto Chemical Co., Lindberg & Olive St. Road,
St. Louis 24, Mo.
Niagara Chemical Div., Food Machinery & Chemi-
cal Corp., Middleport, N. Y.
Stern's Nursery, Geneva, N. Y.

SOIL TESTING OUTFITS

Edwards Laboratory, Norwalk, Ohio
LaMotte Chemical Products Co., Chestertown, Md.
Sudbury Laboratory, S. Sudbury, Mass.

SPECTROGRAPHIC LEAF ANALYSIS

National Spectrographic Sales Corp., 6300 Euclid
Ave., Cleveland 3, Ohio

SULFATE OF AMMONIA

Allied Chemical Corp., Nitrogen Div., 40 Rector St.,
N. Y. 6, N. Y.
American Cyanamid Co., Agricultural Div., 30 Rocke-
feller Plaza, N. Y. 20, N. Y.
Benson Maclean, Bridgeton, Ind.
Cominco Products, Inc., 933 W. 3rd Ave., Spokane
4, Wash.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-
land 1, Ore.
Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y.
5, N. Y.
Shell Chemical Corp., 460 Park Ave., New York, N. Y.
Smith Agricultural Chem. Co., 618 N. Champion
Ave., Columbus 16, Ohio

SULFUR

California Spray Chemical Corp., Richmond, Calif.;
Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Corona Chemical Div., Pittsburgh Plate Glass Co.,
Moorestown, N. J.
Koppers Co., Inc., Koppers Bldg., Pittsburgh 19, Pa.
Miller Chem. & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-
land 1, Ore.
Niagara Chemical Div., Food Machinery & Chemi-
cal Corp., Middleport, N. Y.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17,
N. Y.; 636 California St., San Francisco 8, Calif.
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

SUPERPHOSPHATE

American Agricultural Chemical Co., 50 Church
St., N. Y. 7, N. Y.
Armour Fertilizer Works, 350 Hurt Bldg., Atlanta,
Ga.
Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
Central Chemical Corp., Hagerstown, Md.
Cominco Products, Inc., 933 W. 3rd Ave., Spokane
4, Wash.
Davison Chemical Co., Div. of W. R. Grace & Co.,
101 N. Charles St., Baltimore 3, Md.
Farmers Fertilizer Co., Columbus, Ohio
Federal Chemical Co., Stark's Bldg., Louisville, Ky.
International Minerals & Chem. Corp., 20 N. Wacker
Dr., Chicago 6, Ill.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-
land 1, Ore.
Philipp Bros. Chemicals, Inc., 37 Wall St., N. Y.
5, N. Y.
Stauffer Chemical Co., 636 California St., San Fran-
cisco 8, Calif.
Summers Fertilizer Co., Inc., Stock Exchange Bldg.,
Baltimore, Md.
Swift & Co., Agricultural Chemical Div., Union Stock
Yards, Chicago 9, Ill.
Tennessee Corp., 619 Grant Bldg., Atlanta, Ga.

UREA

Allied Chemical Corp., Nitrogen Div., 40 Rector St.,
N. Y. 6, N. Y.
E. I. du Pont de Nemours & Co., Polymers
Dept., Wilmington, Del.
Grace Chemical Co., 501 Edway Bldg., Memphis 1,
Tenn.
Grand River Chemical Div., Deere & Co., Pryor,
Okla.
Miller Chemical & Fertilizer Corp., 2226 N. Howard
St., Baltimore 18, Md.

AMERICAN FRUIT GROWER



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3. Saves Time, Labor, Equipment.

The low biuret content of new Grace Crystal Urea gives you concentrated nitrogen (46%) that's *completely safe* for foliage application.

The nitrogen in Grace Crystal Urea is *immediately* available to plants, and the nitrogen goes to work almost at once. Supplying this *extra* nitrogen in this easy way gives you maximum yields and top quality.

Response in terms of improved foliage, color or growth may be seen within a few days after spraying. Even when

soil conditions are poor—for example, when there is excessive dryness, wetness, cold, or leaching from heavy rains—response from foliage feeding with Grace Crystal Urea is good—and fast.

Grace Crystal Urea can be added to your regular insecticides or fungicide formulations and sprayed at the same time you apply these materials. You do two jobs at once, which frees men and equipment for other work.

Grace Crystal Urea is compatible with commonly used spray materials. The crystals dissolve readily and completely, won't clog spray hoses, valves or nozzles. Solutions of Grace Crystal Urea are non-corrosive—won't harm rubber, metal or wood.

FOR SOIL APPLICATION use free-flowing Grace Urea Prills. Guaranteed 45% Nitrogen. Ideal for Top-Dressing or Side-Dressing of fruits and vegetables, as well as field crops.

Grace Chemical Company *A Division of W. R. Grace & Co.*
MEMPHIS, TENNESSEE

THE NEWER ORGANIC PESTICIDES

With Some Commonly Known Brand Names

PESTICIDE AND BRAND NAMES	COMPANY	PESTICIDE AND BRAND NAMES	COMPANY	PESTICIDE AND BRAND NAMES	COMPANY
ALDRIN		DDT		GLYODIN	
Aldrin	Shell	Black Leaf DDT	Diamond Black Leaf	Crag Glyodin	Union Carbide Chem.
Black Leaf Aldrin	Diamond Black Leaf	Chippman DDT	Chippman Chemical	Guthion	Chemagro
Chippman Aldrin	Chippman Chemical	Corona 50-50 W	Pittsburgh Plate Glass		
Corona Aldrin	Pittsburgh Plate Glass	DDTol	Shewin-Williams		
Niagara Aldrin	Niagara	Decenate	DuPont		
Orchard Brand Aldrin	General Chemical	Geigy DDT	Geigy		
Ortho Aldrin	Calif. Spray-Chemical	Genbox	General Chemical		
Penco Aldrin	Pennsalt Chemicals	Monsanto DDT	Monsanto		
Stauffer Aldrin	Stauffer	Orchard Brand DDT	Niagara		
		Penco DDT	General Chemical		
		Ortho DDT	Pennsalt Chemicals		
		Pratts DDT	Calif. Spray-Chemical		
			B. G. Pratt		
ANTIBIOTICS		DEMETON		KARATHANE	
		Actidione	Stauffer	Karathane	Rohm & Haas
Actispray	Niagara	Systox	Chemagro	Mildex	Larvicide Products
Actispray	Upjohn	Systox	Niagara		
		Systox	Chippman Chemical		
		Systox	Pennsalt Chemicals		
Streptomycin					
Agristrep	Merck				
Agristrep	Niagara				
Phytomycin	Squibb				
Strepspray	United Heckathorn				
Streptomycin-Terramycin					
Acri-mycin 100	Chas. Pfizer				
Acri-mycin 100	Chippman Chemical				
Acri-mycin 100	General Chemical				
Acri-mycin 100 Anti-biotic Dust	Pacific Guano Co.				
	L. H. Butcher Co.				
	Sunland Industries, Inc.				
	United Chemical Co.				
Copper-Streptomycin-Terramycin					
Agri-mycin 500	Chas. Pfizer				
ARAMITE		DIAZINON		KELTHANE	
Aracide	United Heckathorn	Diazinon 25 W	Geigy	Kelthane	Rohm & Haas
Aramite	U. S. Rubber	Diazinon 25 E	Geigy		
Black Leaf Aramite	Diamond Black Leaf				
Chippman Aramite	Chippman Chemical				
Corona Aramite	Pittsburgh Plate Glass				
Niagaramite	Niagara				
Orchard Brand Aramite	General Chemical				
Ortho Aramite	Calif. Spray-Chemical				
Penco Aramite	Pennsalt Chemicals				
Stauffer Aramite	Stauffer				
B-622		DICHLONE		LINDANE	
Dyrene	Chemagro	Black Leaf Phygon	Diamond Black Leaf	Black Leaf Lindane	Diamond Black Leaf
		Corona Phygon-XL	Pittsburgh Plate Glass	Chippman Lindane	Chippman Chemical
		Corona Phygon-Sulfur	Pittsburgh Plate Glass	Isotox	Calif. Spray-Chemical
		Kolo 100	Niagara	Niagara Lindane	Niagara
		Orchard Brand	General Chemical	Orchard Brand Lindane	General Chemical
		Phygon-XL	Calif. Spray-Chemical	Penco Lindane	Pennsalt Chemicals
		Stauffer Phygon	B. G. Pratt	Pratts Lindane Spray	B. G. Pratt
				Stauffer Lindane	Stauffer
BAYER 17147		DIELDRIN		MALATHION	
Guthion	Chemagro	Black Leaf Dieldrin	Diamond Black Leaf	Black Leaf Malathion	Diamond Black Leaf
		Chippman Dieldrin	Chippman Chemical	Chippman Malathion	Chippman Chemical
		Corona Dieldrin	Pittsburgh Plate Glass	Corona Malathion	Pittsburgh Plate Glass
		Niagara Dieldrin	Niagara	Malathion	United Heckathorn
		Dieldrin	Shell	Malathion Technical	American Cyanamid
		Orchard Brand Dieldrin	General Chemical	Malathion 50 Spray	Niagara
		Ortho Dieldrin	Calif. Spray-Chemical	Orchard Brand	General Chemical
		Penco Dieldrin	Pennsalt Chemicals	Malathion	Calif. Spray-Chemical
		Pratts Dieldrin	B. G. Pratt	Penco Malathion	Pennsalt Chemicals
		Sherwin-Williams	Sherwin-Williams	Pratts Malathion Spray	B. G. Pratt
		Dieldrin	Stauffer	Sherwin-Williams	Sherwin-Williams
		Standard Dieldrin	Standard Oil (Ind.)	Standard Malathion	Standard Oil (Ind.)
				Stauffer Malathion	Stauffer
BAYER 17147		DINITROS-DORMANT		MANEV	
Guthion	Chemagro	Corodine	Pittsburgh Plate Glass	Dithane M-22	Rohm & Haas
		Corona Dinitro Powder	Pittsburgh Plate Glass	Manzate	DuPont
		Dinitro Dry	Niagara		
		Dinitro	Sherwin-Williams		
		DN Driymix No. 1	Dow		
		DN Driymix No. 2	Dow		
		DN 289	Dow		
		Elgetol	Standard Agri. Chem.		
		Elgetol 30	Standard Agri. Chem.		
		Elgetol 318	Standard Agri. Chem.		
		Nitro Vaporol	Calif. Spray-Chemical		
		DN 111	Dow		
BAYER 17147		DINITROS-SUMMER		METACIDE	
Guthion	Chemagro			Metacide 50	Chemagro
BHC		ENDRIN		METHOXYCHLOR	
Benzahex	Chippman Chemical	Black Leaf Endrin	Diamond Black Leaf	Chippman Methoxychlor	Chippman Chemical
Benzex	Woolfolk	Chippman Endrin	Chippman Chemical	Corona Methoxychlor	Pittsburgh Plate Glass
BHC 10 Spray	Niagara	Corona Endrin	Pittsburgh Plate Glass	Geigy Methoxychlor	Geigy
Black Leaf BHC	Diamond Black Leaf	Endrin	Niagara	Marlate	DuPont
Corona BHC	Pittsburgh Plate Glass	Endrin	Shell	Methoxychlor	Niagara
Ortho Aramite	Calif. Spray-Chemical	Orchard Brand Endrin	General Chemical	Orchard Brand	General Chemical
Isotox	Calif. Spray-Chemical	Ortho Endrin	Calif. Spray-Chemical	Methoxychlor	General Chemical
Lexone	DuPont	Penco Endrin	Pennsalt Chemicals	Ortho Methoxychlor	Calif. Spray-Chemical
Lintox	Stauffer	Stauffer Endrin	Stauffer	Stauffer Methoxychlor	Stauffer
Orchard Brand BHC	General Chemical				
Penco BHC	Pennsalt Chemicals				
Penco Hi Gamma BHC	Pennsalt Chemicals				
Stauffer BHC	Stauffer				
CAPTAN		EPN		NABAM	
Orthocide	Calif. Spray-Chemical	EPN 300	DuPont	Dithane D-14	Rohm & Haas
Stauffer Captan	Stauffer			Niagara Nabam Solution	Niagara
				Ortho Nabam	Calif. Spray-Chemical
CHLORANIL		ETHION		Parzate	DuPont
Spergon	U. S. Rubber	Niagara Ethion	Niagara		
CHLORDANE		FENSON		NACIDE	
Black Leaf Chlordane	Diamond Black Leaf	Penco Fenson	Pennsalt	Niacide	Niagara
Chippman Chlordane	Chippman Chemical				
Chlor-Kill	Niagara				
Corodane	Pittsburgh Plate Glass				
Orchard Brand Chlordane	General Chemical				
Ortho Chlordane	Calif. Spray-Chemical				
Ortho-Klor	Calif. Spray-Chemical				
Penco Chlordane	Pennsalt				
Pratts Chlordane	B. G. Pratt				
Sherwin-Williams Chlordane	Sherwin-Williams				
Stauffer Chlordane	Stauffer				
Synklor	U. S. Rubber				
CHLOROBENZILATE		FERBAM		ORGANO-MERCURY	
Chlorobenzilate	Geigy	Black Leaf Ferbam	Diamond Black Leaf	Coromere	Pittsburgh Plate Glass
		Carbamate	Niagara	Merlman 10	Chipman Chemical
		Chippman Ferbam 76	Chippman Chemical	Orchard Brand	General Chemical
		Coromate	Pittsburgh Plate Glass	Mercury Spray	Chemley Products
		Fermate	DuPont	Phix	
		Karham Black	Sherwin-Williams	Purazized Agricultural Spray	Niagara
		Ortho Ferbam	Calif. Spray-Chemical	Stauffer Mer-Cad	Stauffer
		Orchard Brand Ferbam	General Chemical	Stauffer Mer-Sol	Stauffer
		Stauffer Ferbam	Stauffer	Tag	Calif. Spray-Chemical
DDD (TDE)		GENITE EM-923			
Black Leaf TDE	Diamond Black Leaf	Genite EM-923	General Chemical		
Corona Rothane	Pittsburgh Plate Glass				
Niagara DDD	Niagara				
Orchard Brand TDE	General Chemical				
Ortho TDE	Calif. Spray-Chemical				
Rothane	Rohm & Haas				
Rothane	Sherwin-Williams				
Stauffer DDD	Stauffer				

*Company's brand name.

**PESTICIDE
AND
BRAND NAMES**

OVEX

	COMPANY
Cororan	Pittsburgh Plate Glass
Mitran	United Heckathorn
Orchard Brand Ovex	General Chemical
Orthothran	Calif. Spray-Chemical
Ovotran	Dow
Stauffer Ovex	Stauffer

PARATHION

Aqua Phos Kil 6	Niagara
Black Leaf Parathion	Diamond Black Leaf
Chemagro Parathion	Chemagro
Chipman Parathion	Chipman Chemical
Corothion	Pittsburgh Plate Glass
Niran	Monsanto
Orchard Brand Parathion	General Chemical
Ortho Parathion	Calif. Spray-Chemical
Orthophos	Calif. Spray-Chemical
Panthion	Woolfolk
Paradust	Stauffer
Parawet	United Heckathorn
Penco Parathion	Pennsalt Chemicals
Phos Kil	Niagara
Sherwin-Williams Parathion	Sherwin-Williams
Stauffer Parathion	Stauffer
Thiophos (technical)	American Cyanamid

***PERTHANE**

Perthane	Rohm & Haas
Ortho Perthane	Calif. Spray Chemical

***PHOSDRIN**

Phosdrin	Shell
Orchard Brand Phosdrin	General

***PHOSTEX**

Phostex	Niagara
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QUARTERNARY AMMONIUM COMPOUNDS

Purasan AD 50	Galloway
Stamofol	Standard Oil (Ind.)

QUINONES

Black Leaf Phygon	Diamond Black Leaf
Kolo 100	Niagara
Phygon-XL	U. S. Rubber
Spergon	U. S. Rubber
Stauffer Phygon	Stauffer

SEVIN

Crag Sevin	Union Carbide Chem.
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***TEDION**

Tedion	Niagara
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TEPP

Black Leaf TEPP 40	Diamond Black Leaf
Corona TEPP	Pittsburgh Plate Glass
Mulsifos	Woolfolk
Niagara TEPP	Niagara
Orchard Brand TEPP	General Chemical
Pyfon	Woolfolk
Stauffer TEPP	Stauffer
Vapotone	Calif. Spray-Chemical

***THIODAN**

Thiodan	Niagara
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THIRAM

Thylate	DuPont
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TOXAPHENE

Alltox	Calif. Spray-Chemical
Black Leaf Toxaphene	Diamond Black Leaf
Chipman Toxaphene	Chipman Chemical
Gemphene	General Chemical
Gy-Phene	Geigy
Orchard Brand Toxaphene	General Chemical
Ortho Toxaphene	Calif. Spray-Chemical
Penco Toxaphene	Pennsalt Chemicals
Standard Toxaphene	Standard Oil (Ind.)
Stauffer Toxaphene	Stauffer
Toxakil	Niagara

***TRITHION**

Stauffer Trithion	Stauffer
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UREA

NuGreen	DuPont
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ZINEB

Dithane Z-78	Rohm & Haas
Ortho Zineb	Calif. Spray-Chemical
Parzate	DuPont
Stauffer Zineb	Stauffer

ZIRAM

Corozate	Pittsburgh Plate Glass
Karbam White	Sherwin-Williams
Orchard Brand Ziram	General Chemical
Ortho Ziram	Calif. Spray-Chemical
Stauffer Ziram	Stauffer
Z-C Spray	Niagara
Zerlate	DuPont

*Company's brand name.

JULY, 1958

COMPANY

HERBICIDES

HERBICIDE AND BRAND NAMES	COMPANY
Amino Triazole Wedazel	American Cyanamid Amer. Chem. Paint

CDA	COMPANY
Randox	Monsanto

CDEF	COMPANY
Vedelex	Monsanto

CET	COMPANY
Simazine	Geigy

CIPC	COMPANY
Chloro IPC	Columbia-Southern
Chloro IPC	Niagara

DALAPON	COMPANY
Dowpon	Dow

DIURON	COMPANY
Karmex DW	DuPont

DNPB	COMPANY
Dow Premerge	Dow
Sinox PE	Stand. Agr. Chem.

ENDOTHIAL	COMPANY
Penco Endothial	Pennsalt

E.P.T.C.	COMPANY
Eptam	Stauffer

ERBON	COMPANY
Novon	Dow

HCA	COMPANY
General Chemical HCA	General Chemical

MALEIC HYDRAZIDE	COMPANY
MI-30	Nantucket Chemical

HERBICIDE AND BRAND NAMES	COMPANY
MONURON (CMU)	Karmex W

NPA	COMPANY
Alanap 3	Naugatuck Chemical

SES	COMPANY
Sesone	Union Carbide Chem.

SILVEX	COMPANY
Kuron	Dow

SODIUM ARSENITE	COMPANY
Atlas "A"	Chipman Chemical
General Chemical Sodium Arsenite	General Chemical
Niagara Sodium Arsenite	Niagara
Penite	Penit
Pratt's Sodium Arsenite	B. G. Pratt

SODIUM CHLORATE	COMPANY
Atachte	Chipman Chemical

SODIUM METABORATE and MONURON	COMPANY
Chlorea	Chipman Chemical

TCA and MONURON	COMPANY
General Chemical VRON	General Chemical

2,4-D and 2,4,5-T	COMPANY
See Directory listing for names of companies	See Directory listing for names of companies

MCPA	COMPANY
See Directory listing for names of companies	See Directory listing for names of companies

PCP	COMPANY
See Directory listing for names of companies	See Directory listing for names of companies

TCA	COMPANY
See Company's brand name.	See Company's brand name.

SPRAY COMPATIBILITY CHART

ALL NEW CHART FOR 1958

• Compatibility of Insecticides and Fungicides.

• Compatibility of Growth Regulators.

• Compatibility of Nutrient Sprays.

• Many of the New Organic Chemicals never before listed.

Also available—the important companion SPRAY SAFETY CHART.

Order BOTH charts for only 40c.

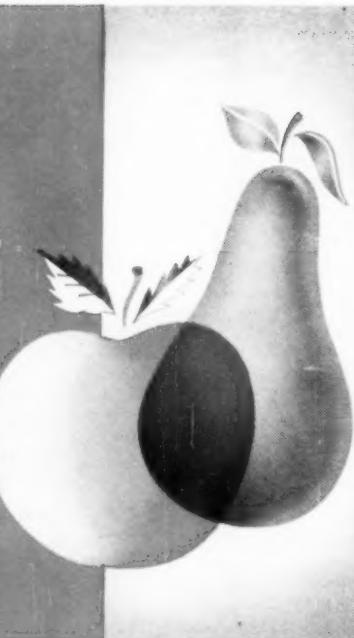
This offer good only in U.S.A. and Canada. Quantity prices on request. Coin or check must accompany each order.

Order today!

AMERICAN FRUIT GROWER

Willoughby, Ohio

How these 3
GEIGY
CHEMICALS
can help you get
MORE BOXES
of
QUALITY FRUIT
per acre

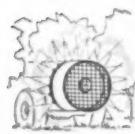


This year one phone call or visit to your Geigy dealer can help you get these three big benefits:

- effective control of many insects attacking fruit crops.
- effective control of mites.
- correction of iron or zinc deficiency in your soil.

DAZINON

gives multiple insect control on many fruit crops



Dazinon provides close-to-harvest control of most major insect pests on a variety of fruit crops. **Apples:** Apple Maggots; Codling Moths; Aphids; Scale Crawlers. **Suppresses Mites.** **Pears:** Codling Moths; Pear Psylla; Aphids; Scale Crawlers. **Suppresses Mites.** **Cherries:** Cherry Fruit Flies; Black Cherry Aphids; Scale Crawlers. **Peaches, Apricots and Nectarines:** Aphids; Clover and Two-Spotted Mites; Olive and San Jose Scale Crawlers. **Plums and Prunes:** Clover and European Red Mites; Leaf Curl Plum, Mealy Plum and Thistle Aphids. **Strawberries:** Aphids; Cyclamen Mites; Two-Spotted Mites. Follow label directions.

CHLOROBENZILATE

controls most species of mites



Use Geigy Chlorobenzilate 25E (25% emulsifiable solution) or Geigy Chlorobenzilate 25W (25% wettable powder) to control Two-Spotted Mites, European Red Mites, Brown Clover Mites, and McDaniel Mites on apples and pears. Chlorobenzilate also controls Cherry Rust Mites on cherries. It is economical, has long residual action and will not affect bees under normal field conditions. Follow label directions.

SEQUESTRENE*

METAL CHELATES

for correction of iron or zinc deficiency in soil



Use Sequestrene 330 Fe Iron Chelate for correction of iron deficiency in apple, pear, peach, citrus and avocados growing in alkaline or slightly acid soils. Apply as a soil treatment or a foliage spray. Compatible with most commonly used insecticides, fungicides and fertilizers. Use Sequestrene Na₂Zn Zinc Chelate for correction of zinc deficiency in grapes, apples, cherries, plums and peaches. Follow label directions.

* SEQUESTRENE is the brand name for metal chelates sold by Geigy Agricultural Chemicals, Division of Geigy Chemical Corporation

200
years Geigy

ORIGINATORS OF



DDT INSECTICIDES

GEIGY AGRICULTURAL CHEMICALS

Division of Geigy Chemical Corporation • Saw Mill River Road, Ardsley, N.Y.

WEED KILLERS

AMMONIUM SULFAMATE

E. I. du Pont de Nemours & Co., Inc., Grasselli Chemicals Dept., Wilmington, Del.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

AMINO TRIAZOLE

American Cyanamid Co., Agricultural Div., 30 Rockefeller Plaza, N.Y. 20, N.Y.
Miller Products Co., Ft. of S.W. Caruthers, Portland 1, Ore.

CDAA (RANDOX)

Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Monsanto Chemical Co., Lindberg & Olive St. Road, St. Louis 24, Mo.

CDEC (VEGEDEX)

Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Monsanto Chemical Co., Lindberg & Olive St. Road, St. Louis 24, Mo.

CHLORO IPC

Columbia-Southern Chem. Co., Sub. Pittsburgh Plate Glass Co., One Gateway Center, Pittsburgh 22, Pa.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N.Y.

CET (SIMAZINE)

Geigy Agricultural Chemicals Div., Geigy Chemical Corp., P.O. Box 430, Yonkers, N.Y.

CYANAMID AND CYANATE

American Cyanamid Co., Agricultural Div., 30 Rockefeller Plaza, N.Y. 20, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

DALAPON (DOWPON)

Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.

DINITRO BUTYL PHENOL

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N.J.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N.J.

EPTC (EPTAM)

Stauffer Chemical Co., 380 Madison Ave., N.Y. 17.

DIURON (KARMEX DW)

E. I. du Pont de Nemours & Co., Wilmington 98, Del.

MALEIC HYDRAZIDE

General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S.W. Caruthers, Portland 1, Ore.
Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y., 636 California St., San Francisco 8, Calif.

MONURON (KARMEX W)

E. I. du Pont de Nemours & Co., Wilmington 98, Del.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.

MULCH

BLACK PLASTIC
American Associated Cos., Red Bank, N.J.
Benson-MacLean, Bridgeton, Ind.
Chester Packaging Div., St. Regis Paper Co., 150 E. 42nd St., N.Y., N.Y.
'Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio
Dad Corporation, Terre Haute, Ind.
Gering Products Inc., Kenilworth, N.J.
Peter G. Co., 3618 Lexington Rd., St. Mathews, Ky.
Rough Brothers, 4229 Spring Grove Ave., Cincinnati 23, Ohio
Sound Screen Supplies, Inc., 752 Broadway, N.Y. 3, N.Y.

NPA (ALANAP—)

General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17, N.Y., 636 California St., San Francisco 8, Calif.

*Company's brand name.

AMERICAN FRUIT GROWER



Count on KELTHANE to kill mites and prove to yourself the truth of this statement: "With KELTHANE, you get low-cost and the *best* mite control." The money-saving reasons for this high-activity and low-cost performance are all-important:

- KELTHANE delivers quick and certain kill to most of the troublesome orchard mite species.
- KELTHANE has l-o-n-g—l-a-s-t-i-n-g residual action; therefore, fewer applications are needed.
- KELTHANE is safe on foliage, safe to fruit finish, and safe to handle, when used as recommended.
- KELTHANE can be used on all fruit varieties, even "sensitive" ones.

Begin your KELTHANE program as soon as mites start to build up. You will like the way KELTHANE kills mites in hot or cool, humid, wet, or dry weather. You can use KELTHANE all season—to within a few days of harvest if necessary.

Ask your dealer for KELTHANE today!



Chemicals for Agriculture

**ROHM & HAAS
COMPANY**

WASHINGTON SQUARE, PHILADELPHIA 5, PA.

Representatives in principal foreign countries

KELTHANE is a trade-mark, Reg. U.S. Pat. Off.
and in principal foreign countries.

CHECKMATE FOR MITES
KELTHANE

WEED KILLERS

PCP (PENTACHLOROPHENOL)

Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N. J.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-land 1, Ore.
Monsanto Chemical Co., Lindberg & Olive St. Road, St. Louis 24, Mo.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.
Stauffer Chemical Co., 380 Madison Ave., N. Y. 17, N. Y., 636 California St., San Francisco 8, Calif.

SESONE

Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-land 1, Ore.
Union Carbide Chemicals Co., CRAG Agricultural Chemicals, 180 S. Broadway, White Plains, N. Y.

SODIUM CHLORATE

American Potash & Chemical Corp., 3100 E. 26th St., Los Angeles 23, Calif.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Harshaw Chemical Co., 1945 E. 97th, Cleveland, Ohio.
Pennsalt of Washington Div., 2901 Taylor Way, Tacoma 2, Wash.

SODIUM SALT OF DINITRO-ORTHO-CRESOL

California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Miller Products Co., Ft. of S. W. Caruthers, Port-land 1, Ore.
Sherwin-Williams Co., 101 Prospect Ave., N. W., Cleveland 1, Ohio.
Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N. J.

SUBSTITUTED UREA HERBICIDES

E. I. du Pont de Nemours & Co., Wilmington, Del.

TCA

Associated Chemists, Inc., Agri. Chemicals Div., North Collins, N. Y.
Black Leaf Co., 105 W. Adams St., Chicago 3, Ill.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N. J.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
General Chemical Div., Allied Chem. Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N. J.
Stauffer Chemical Co., 4111 S. 11th St., Omaha, Nebr.; Box 68, Suttle Rd., North Portland, Ore.

TOMATO DEFOILANT

Chipman Chemical Co., Inc., Bound Brook, N. J.

2,4-D and 2,4,5-T

Amchem Products, Inc., Ambler, Pa.
California Spray-Chemical Corp., Richmond, Calif.; Haddonfield, N. J.
Central Chemical Corp., Hagerstown, Md.
Chemagro Corp., 437 Fifth Ave., N.Y., N.Y.
Chemical Insecticide Corp., 30 Whitman Ave., Metuchen, N. J.
Chipman Chemical Co., Inc., Bound Brook, N. J.
Corona Chemical Div., Pittsburgh Plate Glass Co., Moorestown, N. J.
Diamond Alkali Co., 300 Union Commerce Bldg., Cleveland 14, Ohio.
Dow Chemical Co., Agricultural Chemicals Div., Midland, Mich.
Geigy Agricultural Chemicals Div., of Geigy Chemical Corp., P. O. Box 430, Yonkers, N. Y.
General Chemical Div., Allied Chem. Corp., 40 Rector St., N. Y. 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-land 1, Ore.
Monsanto Chemical Co., Lindberg & Olive St. Road, St. Louis, Mo.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Pennsalt of Wash. Div., 2901 Taylor Way, Tacoma 2, Wash.
Standard Agricultural Chemicals, Inc., 1301 Adams St., Hoboken, N. J.
Stauffer Chemical Co., 4111 S. 11th St., Omaha, Nebr.; Box 68, Suttle Rd., North Portland, Ore.
Swift & Co., Agricultural Chemical Div., Union Stock Yards, Chicago 9, Ill.

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Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Philip Bros. Chemicals, Inc., 37 Wall St., N. Y., 5, N. Y.
Union Carbide Chemicals Co., CRAG Agricultural Chemicals, 180 S. Broadway, White Plains, N. Y.

D-D

Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Shell Chemical Corp., 460 Park Ave., N. Y., N. Y.

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Central Chemical Corp., Hagerstown, Md.
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General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N. Y.
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Miller Products Co., Ft. of S. W. Caruthers, Port-land 1, Ore.
Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
Philip Bros. Chemicals, Inc., 37 Wall St., N. Y., 5, N. Y.
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Westville Laboratories, Stepney, Conn.

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Merck & Co., Inc., Rahway, N. J.
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2,4,5-TA

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Naugatuck Chemical Div., U. S. Rubber Co., Naugatuck, Conn.
Science Products Co., 1230 E. 63rd St., Chicago 37, Ill.
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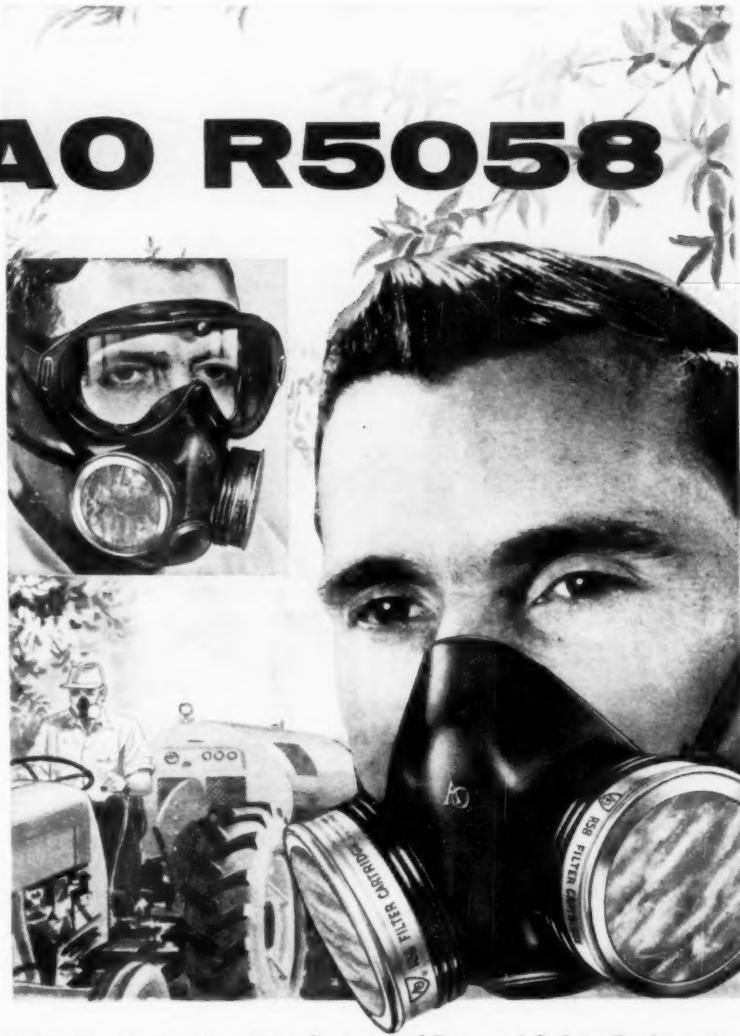
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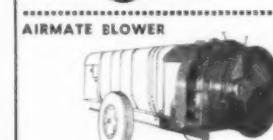
Air-O-Fan Products Co., Gilroy, Calif.
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 Besler Corp., 4053 Harlan St., Oakland 8, Calif.
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 KWH Mistblower Factories, Eastern U. S. Sales Div.,
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 Merrill Orchards, Bakersfield, Calif.
 Merrill Supply Co., Red Bluff, Calif.
 Michigan Nut Nursery, Union City, Mich.
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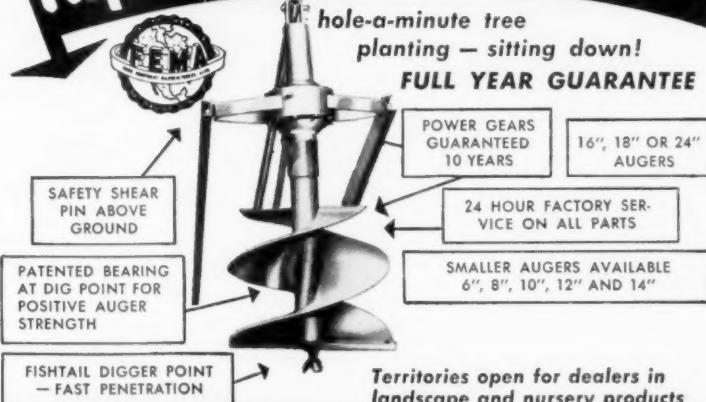
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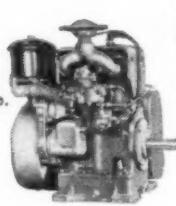
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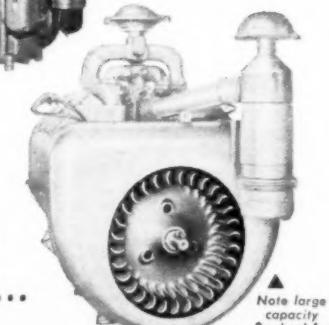
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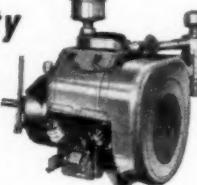
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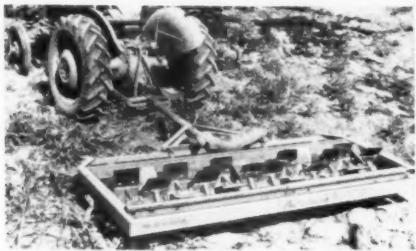


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J. I. Case Co., 700 State St., Racine, Wis.
Cyclone Seeder Co., Urbana, Ill.
John Deere, Moline, Ill.
Eze Flow Corp., 3428 N. Harlem St., Chicago, Ill.
Farmhand Company Div., Superior Separator Co., Hopkins, Minn.
Frick Company, Waynesboro, Pa.
International Harvester Co., 180 No. Michigan, Chicago 1, Ill.
Massey-Ferguson Inc., Racine, Wis.
Masters Planter Co., Benton Harbor, Mich.
Minneapolis-Moline Co., Box 1050, Minneapolis 1, Minn.

New Idea Farm Equipment Co., Coldwater, Ohio
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
Pender Mfg. & Supply Co., Box 6097, Raleigh, N. C.
Skibbe Mfg. Co., Sodus, Mich.
Tractor & Implement Div., Ford Motor Co., Birmingham, Mich.
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Wade's Rain, 1919 N. W. Thurman, Portland 9, Ore.

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Dragon Engineering Co., 627 McClary, Oakland 2, Calif.
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Marvin Landplane Co., P. O. Box 209, Woodland, Calif.
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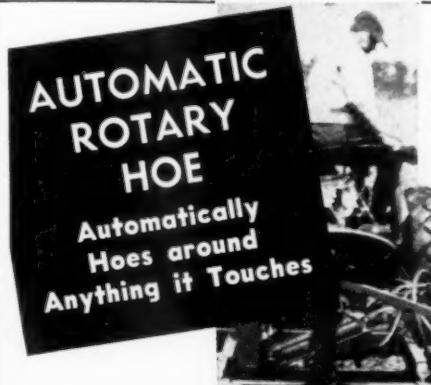
FORK LIFTS—TRACTOR

BMC Fork Lift, Blackwelder Mfg. Co., Rio Vista, Calif.
Edwards Equipment Co., Yakima, Wash.
Gladden-Haas, Inc., Owosso, Mich.
Henderson Mfg. Co., P. O. Box 1743, Cedar Rapids, Iowa
Holt Fork Lift, Independent Distributors, 27 N. E. Broadway, Portland 12, Ore.
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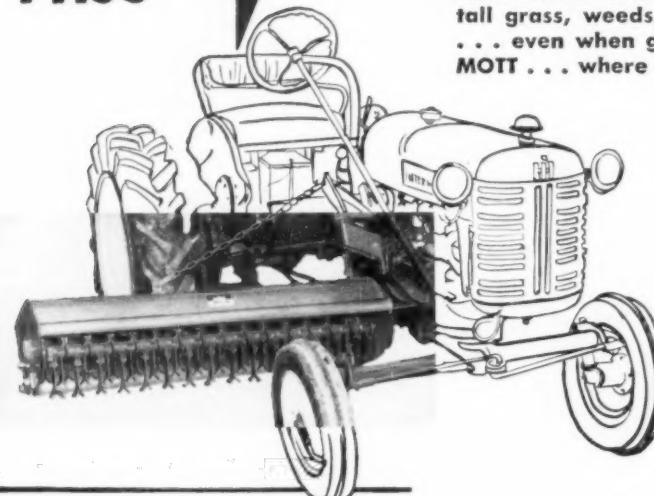
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Bready Tractor & Implement Co., Solon, Ohio.
George Tractor Div., Community Industries Assn., Sullivan, Ill.

Gravely Tractors Inc., Dunbar, W. Va.

Hoffco Inc., Richmond, Ind., Minneapolis 8, Minn.

Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis 8, Minn.

Merry Mfg. Co., Edmonds, Wash.

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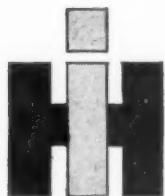
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This rugged 2 1/2 hp tiller/mower comes in mighty handy around farm and garden . . . preparing seed beds, cultivating gardens, renovating lawns, mulching, cleaning up borders. Fully adjustable for deep or shallow cultivation. Self-cleaning, self-sharpening 10" tines. Clutch and throttle controls. Can be changed quickly from tiller to mower with Planet Jr. A52T Rotary Attachment.



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Choremaster Div., Weber Engineered Products, Inc., 812 Evans St., Cincinnati 4, Ohio
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Eshelman Co., 119 Light St., Baltimore 2, Md.
Gravely Tractor Inc., Dunbar, W. Va.
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Merry Mfg. Co., Edmonds, Wash.
Quick Mfg. Inc., 3240 E. Main St., Springfield, Ohio
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Simplicity Mfg. Co., 2114 Spring St., Port Washington, Wis.

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Boles Products Div., Food Mach. & Chemical Corp., Port Washington, Wis.
Frazer Equipment Co., Auburn, Ind.
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Howard Rotovator Co., Inc., Arlington Heights, Ill.
Jari Products, Inc., 2938 Pillsbury Ave., Minneapolis 8, Minn.
Roths Industries, Inc., Alma, Michigan
Rototiller, Inc., 102nd St. & 9th Ave., Troy, N. Y.
Seaman Andwall Corp., 305 N. 25th St., Milwaukee, Wis.
Windolph Tractor Co., 826 S. W. 21st Ave., Portland 5, Ore.

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Frazer Farm Equipment Corp., Auburn, Ind.
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Massey-Ferguson Inc., Racine, Wis.
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.
R. H. Sheppard Co., Hanover, Pa.
Tractor & Implement Div., Ford Motor Co., Birmingham, Michigan

TRACTORS—GARDEN

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Tiger Tractor Co., Keyser, W. Va.
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JULY, 1958



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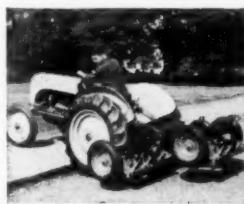
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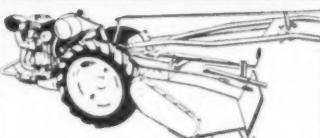
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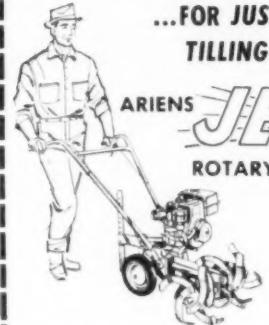
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TILLING USE**

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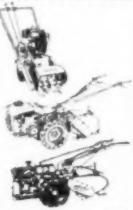
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Moulton Irrigation Co., Withrow, Minn.
Pierce Irrigation, 245 Blair Blvd., P.O. Box 528, Eugene, Ore.
Race & Race, Inc., Winter Haven, Fla.
Rainway Irrigation Co., 2402 E. Trent, Spokane, Wash.
Shur-Rite Dept. of John Bean Western Div., Food Machinery & Chemical Corp., San Jose, Calif.
Wade' Rain, 1919 N. W. Thurman, Portland 9, Ore.

DITCHERS, FURROWS, SCRAPERS, LEVELERS

Allis-Chalmers Mfg. Co., 1126 S. 70th St., Milwaukee 1, Wis.
Arps Corporation, New Holstein, Wis.
Caterpillar Tractor Co., 1949 Cleveland Ave., Peoria, Ill.
Chattin Ditcher Co., Boise, Idaho
Danuser Machine Co., Fulton, Mo.
John Deere, Moline, Ill.

**GIVE
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**RAIN BIRD,
of course!**

There are handsome dividends to be earned in providing your own weather for crops and pasture... there's no better way to do this than with Rain Bird Sprinklers. Get water where you want it, when you want it!

Single installations have more than doubled—even tripled—yields and insured stability of crop income. See your dealer.

Write for free information.



JULY, 1958

Eversman Mfg. Co., 1145 5th Ave., Denver, Colo.
Gledhill Road Mch. Co., Galion, Ohio
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.
Marvin Landplane Co., P.O. Box 209, Woodland, Calif.
Owensboro Ditcher & Grader Co., Owensboro, Ky.
Towner Mfg. Co., Santa Ana, Calif.

ENGINE METERS

John W. Hobbs Corp., Yale Blvd. & Ash, Springfield, Ill.

ENGINES

Allis-Chalmers Mfg. Co., 1126 S. 70th St., Milwaukee 1, Wis.
Briggs & Stratton Corp., 2711 N. 13th St., Milwaukee 1, Wis.
J. I. Case Co., 700 State St., Racine, Wis.
Caterpillar Tractor Co., 1949 Cleveland Ave., Peoria, Ill.
Chrysler Corp., Indus. Eng. Div., 12200 E. Jefferson, Detroit, Mich.
Clinton Machine Co., Maquoketa, Iowa
Continental Motors Corp., Muskegon, Mich.
Cushman Motor Works, 700 N. 21st St., Lincoln 1, Neb.
John Deere, Moline, Ill.
Fairbanks Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
Ford Motor Co., Dearborn, Mich.
Friend Mfg. Co., Gasport, N. Y.
GM-Detroit Diesel Div., Detroit, Mich.
Hardie Mfg. Co., Wilkes-Barre, Pa.
Hercules Motors Corp., 200 11th St. S.E., Canton, Ohio
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.
Kohler Co., Kohler, Wis.
Lewison Div., Tecumseh Products Co., New Holstein, Wis.
Danuser Machine Co., Fulton, Mo.
John Deere, Moline, Ill.

FERTILIZER INJECTORS

John Blue Co., Inc., Huntsville, Ala.
Dragon Engineering Co., 627 McClary, Oakland 2, Calif.
General Metals, Inc., 858 Goldsboro St., Greenboro, N. C.
Marvin Landplane Co., P.O. Box 209, Woodland, Calif.
Michigan Orchard Supply Co., South Haven, Mich.
Southern Plow Co., Columbus, Ga.

HOSE, EYELET

Mantle & Mantle, Painesville, Ohio

HOSE, IRRIGATION

Agricultural Rubber Products Corp., 103 Warren St., New York, N. Y.
John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich., and San Jose, Calif.
The Gates Rubber Co., Sales Div., 999 S. Broadway, Denver 16, Colo.
Lincoln Tent & Awning Co., Lincoln, Nebr.
Wade' Rain, 1919 N. W. Thurman, Portland 9, Ore.

HOSE, METAL

W. R. Ames Co., 1001 Dempsey Rd., Milpitas, Calif.; Tampa, Fla.
Champion Corp., Hammond, Ind.
Chicago Metal Mfg. Co., 37th & Rockwell, Chicago 32, Ill.

HOSE, POROUS

Lincoln Tent & Awning Co., Lincoln, Nebr.
Mantle & Mantle, Painesville, Ohio
Whiteshowers, Inc., 17514 Woodward Ave., Detroit 3, Mich.

HOSE, REEL

Oldfield Equipment Co., 430 W. Seymour Ave., Cincinnati 16, Ohio

HOSE, SUCTION

Agricultural Rubber Products Corp., 103 Warren St., New York, N. Y.

MOISTURE METERS

General Scientific Equipment Co., Hamden, Conn.
Industrial Instruments, Inc., 89 Commerce Rd., Cedar Grove, N. J.
Irrigation Eng. Co., 2809 E. Foothill Blvd., Pasadena, Calif.
National Agri. Supply Co., Fort Atkinson, Wis.

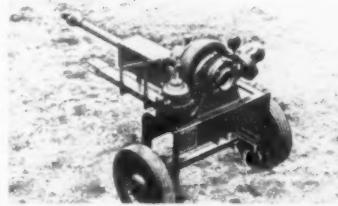
PIPE, ASBESTOS-CEMENT

Johns-Manville Corp., 22 E. 40 St., N. Y. 16, N. Y.

PIPE CARRIER

Kellam Co., Biscoe, N. C.

NEW... HALE "TRACTOR-MATE" PTO Irrigation Pump



GET FULL benefit from your Tractor with a Hale "TRACTOR-MATE"—the new Hale Type 3PTF power take-off Trailer-mounted pump.

"TRACTOR-MATE" is specifically designed for use with your tractor power in irrigating medium size acreage. You can also use it as a booster for your present Irrigation System!

The 3PTF, with a wide range of volume and pressure, is compact, efficient and economical to operate.

Pump and gear drive are mounted on a sturdy steel trailer, as pictured above.

The 3PTF features case hardened steel gears of the same high quality as on your local fire engine.

2 models available, 3" suction. With 550 RPM take off speed, it will pump 350 GPM at 80 PSI.

Ask about the New HALE "Torrent" Self-Priming Portables

Quality-built, quick-starting, low-cost—the "Pump of a Thousand Uses." Ideal for "on-the-spot" filling of tanks with water, liquid fertilizer—also for small irrigation jobs, stand-by water system and emergency fire fighting. Pumps over 7000 gallons per hour!

• Hale Irrigation Pumping Units are sold thru Distributors who are well qualified to Engineer a system best suited to YOUR needs.

Please send details on the new 3PTF and other HALE Irrigation Pumps.

Name.....

Address.....

Water Source..... No. Acres.....

IRRIGATION DIVISION, DEPT. AFG

HALE FIRE PUMP CO.
CONSHOHOCKEN, PA.

IRRIGATION and DRAINAGE

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Albert Pipe Supply Co., Inc., Berry & No. 13th St., Brooklyn, N. Y.
 W. R. Ames Co., 1001 Dempsey Rd., Milpitas, Calif.; Tampa, Fla.
 Atlas Supply Div., Jones & Laughlin Supply Co., Box 2481, Tulsa, Okla.
 John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich., and San Jose, Calif.
 Champion Corp., Hammond, Ind.
 Chase Brass & Copper Co., Waterbury, Conn.
 Chicago Metal Mfg. Co., 37th & So. Rockwell, Chicago 32, Ill.
 Hardie Mfg. Co., Wilkes-Barre, Pa.
 Jones & Laughlin Steel Corp., 3 Gateway Center, Pittsburgh, Pa.
 McDowell Mfg. Co., 301 Stanton Ave., Pittsburgh, Pa.
 Michigan Orchard Supply Co., South Haven, Mich.
 Moulton Irrigation Co., Withrow, Minn.
 Race & Race Inc., Winter Haven, Fla.
 Rainbow Sales Co., Chattanooga, Tenn.
 Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
 Revere Copper & Brass Inc., 230 Park Ave., N. Y.
 17, N. Y.
 Reynolds Metals Co., Richmond 18, Va.
 Wade's Rain, 1919 N. W. Thurman, Portland 9, Ore.

PIPE, PERFORATED

W. R. Ames Co., 1001 Dempsey Rd., Milpitas, Calif.; Tampa, Fla.
 Race & Race Inc., Winter Haven, Fla.
 Wade's Rain, 1919 N. W. Thurman, Portland 9, Ore.

PIPE, PLASTIC

Carlton Products Corp., 10225 Meech, Cleveland 5, Ohio
 Florist Products, P.O. Box 188, Park Ridge, Ill.
 Manufacturers Corp., Ohio, Mansfield, Ohio
 Trinity Products, Inc., Trinity, Texas
 U. S. Steel Co., 525 William Penn Place, Pittsburgh 30, Pa.
 Wade's Rain, 1919 N. W. Thurman, Portland 9, Ore.
 Yardley Plastic Co., Columbus, Ohio

PIPE, PORTABLE METAL

Aluminum Corp. of America, 425 Sixth Ave., Pittsburgh, Pa.
 W. R. Ames Co., 1001 Dempsey Rd., Milpitas, Calif.; Tampa, Fla.
 John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich., and San Jose, Calif.



COMPARE Irrigation PUMPS!

WEIGH THESE POINTS BEFORE YOU BUY---

COMPARE — Gorman-Rupp pumps with all other makes and their performance under field conditions . . .

EXCLUSIVE! — Gorman-Rupp Firsts! . . .

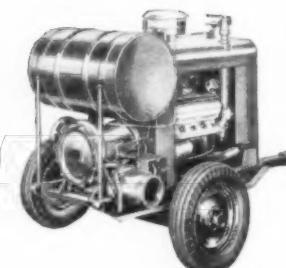
★ CHECK VALVE (lever control) — Standard equipment on pump discharge. No gate valve needed. Valve threaded to receive 6" pipe.

★ WEAR RING — Renewable, surrounds impeller eye.

★ SHAFT SEAL — Located on suction side under vacuum. Lubricated by compression grease cup.

★ END PLATE — Removable, gives easy accessibility to impeller and shaft seal without disturbing pipe connections.

And! with Gorman-Rupp you get a complete irrigation pump package: pump, engine, exhaust priming device, strainer — ready to work



Available in many sizes.
 Air-cooled engines and
 water-cooled engines.
 GPM varies with lbs.
 pressure. Ratings from
 80 GPM at 75 lbs. to
 1250 GPM at 125 lbs.
 or 3000 GPM at 35-foot
 head.

GORMAN-RUPP IRRIGATION PUMPS

GORMAN-RUPP ORIGINATES — OTHERS IMITATE

THE GORMAN-RUPP COMPANY • MANSFIELD, OHIO

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 Dempster Mill Mfg. Co., Beatrice, Nebr.
 Fairbanks Morse, 600 S. Michigan Ave., Chicago 5, Ill.
 Goulds Pumps, Inc., Seneca Falls, N. Y.
 F. E. Myers & Bro. Co., Ashland, Ohio
 Peerless Pump Div., Food Machy. & Chem. Corp., Indianapolis, Ind.; Los Angeles 31, Calif.

PORTABLE

Allis-Chalmers Mfg. Co., Milwaukee, Wis.
 Barnes Mfg. Co., Mansfield, Ohio
 Ralph B. Carter Co., 210 Atlantic St., Hackensack, N. J.
 Carver Pump Co., Muscatine, Iowa
 Construction Machy. Co., Waterloo, Iowa
 Deming Co., Salem, Ohio
 Gorman-Rupp Co., Mansfield, Ohio

RAIN GAUGES

Tru-Chek Rain Gauge Co., 100 North Broadway, Albert Lea, Minn.

SPRINKLER SYSTEMS

W. R. Ames Co., 1001 Dempsey Rd., Milpitas, Calif.; Tampa, Fla.
 John Bean Division, Food Machinery & Chemical Corp., San Jose, Calif.
 Buckner Mfg. Co., Fresno, Calif.
 Champion Corp., Hammond, Ind.
 Chicago Metal Mfg. Co., 37 & S. Rockwell, Chicago 32, Ill.
 Farmland Irrigation Co., Inc., 200 N. Columbia Blvd., Portland 17, Ore.
 Hardie Mfg. Co., Wilkes-Barre, Pa.
 Irrigation Equipment Co., Inc., Eugene, Ore.
 Jones & Laughlin Steel Corp., Box 2481, Tulsa, Okla.
 McDowell Mfg. Co., Pittsburgh 9, Pa.
 Michigan Orchard Supply Co., South Haven, Mich.
 Moulton Irrigation Co., Withrow, Minn.
 National Rain Bird Sales & Eng. Corp., Azusa, Calif.
 Olin-Mathieson Chemical Co., Little Rock, Ark.
 Rainbow Sales Co., Chattanooga, Tenn.
 Rainway Irrigation Co., Spokane, Wash.
 Rainy Sprinkler Sales, 409 W. Lake St., Peoria, Ill.
 Shur-Fine Dept. of John Bean, Western Div., Food Machinery & Chem. Corp., San Jose, Calif.
 Skinner Irrigation Co., 803 Water St., Troy, Ohio.
 Suds Fruit Exchange, Sodus, Mich.
 Wade's Rain, 1919 N. W. Thurman, Portland 9, Ore.
 Whitehorns, Inc., 17514 Woodward, Detroit, Mich.

SPRINKLER HEADS, REVOLVING

Buckner Mfg. Co., Fresno, Calif.
 National Rain Bird Sales & Eng. Corp., Azusa, Calif.
 Rainbow Sales Co., Chattanooga, Tenn.
 Rainy Sprinkler Sales, Peoria, Ill.
 Skinner Irrigation, 803 Water St., Troy, Ohio

VALVES, HYDRANT-TYPE

McDowell Mfg. Co., 301 Stanton Ave., Pittsburgh 9, Pa.
 Wade's Rain, 1919 N. W. Thurman, Portland 9, Ore.

Please consult Alphabetical Index
on pages 15 and 16

WATER SUPPLY

ENGINES

See IRRIGATION & DRAINAGE

PUMPS

See IRRIGATION & DRAINAGE

TANKS (WOOD), WATER STORAGE

Arrow Tank Co., Inc., 16 Barnett St., Buffalo 15, N. Y.
 W. E. Caldwell Co., Inc., Brandeis & Brook Sts., Louisville, Ky.
 Hauser-Strader Tank Co., 4838 Spring Grove Ave., Cincinnati 32, Ohio.
 Kalamazoo Tank & Silo Co., 508 Harrison St., Kalamazoo, Mich.
 Kaustin Co., Inc., Perry, N. Y.

TANKS AND TANK FILLERS

Air-O-Fan Products Corp., Gilroy, Calif.
 Arrow Tank Co., 16 Barnett St., Buffalo 15, N. Y.
 Broadway Rubber Corp., 529 E. Broadway, Louisville 2, Ky.
 John Bacon Co., Gaspport, N. Y.
 John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.; San Jose, Calif.
 Dobbins Div., Chamberlain Corp., Waterloo, Iowa.
 Frick Company, Waynesboro, Pa.
 Friend Mfg. Co., Inc., Gaspport, N. Y.
 Gorman-Rupp Co., Mansfield, Ohio.
 Hardie Mfg. Co., Wilkes-Barre, Pa.
 H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago 11, Ill.
 Kalamazoo Tank & Silo Co., 508 Harrison St., Kalamazoo, Mich.
 The F. E. Myers & Bro. Co., Ashland, Ohio.
 Niagara Chemical Div., Food Machinery & Chemical Corp., Middleport, N. Y.
 Oliver Corp., A. B. Farguhar Div., York, Pa.
 Surplus Service Corp., Green Farms, Conn.

AMERICAN FRUIT GROWER



Please consult Alphabetical Index on pages 15 and 16

USE BARTLETT PRODUCTS



SCIENTIFIC PRUNING SAVES YOUR TREES

There is no task to tree trimming when Bartlett Pruning Implements are used—endorsed everywhere by horticulturists.

POLE TREE TRIMMERS
No. 1. H.—(compound lever, easy cutting) 6 ft. pole. Other lengths up to 16 ft.

POLESaws No. 44—16 inch (curved saw cuts freely) 8 ft. Other lengths up to 16 ft. Made of sitha spruce.

No. 44
Pole
Saw

Pick Fruit Easily with
The Bartlett No. 8 Picker
Illustrated Below



It is made of a sturdy steel stamping, stiff enough to remove any fruit without injury. The socket for fastening the pole is welded to the main frame of the picker and the tool can be used complete with pole at \$7.25 delivered in U.S.A. or head only @ \$2.35. The head consists of the metal framework with a 9 inch cotton bag, capacity approximately 1/2 peck. The pole which is standard in the 12 foot length is made of white pine.

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TREE
PAINT**

For destroying insect tunnels and for the protection of wounds, use Bartlett's Tree Paint. Easily applied with ordinary paint brush.

**WILL NOT
FREEZE**



No. 127 PARAGON SAW. This curved blade, draw-cut pruning saw is ideal for all-around pruning. Best quality saw steel. Easy grip handle. 18" blade, also 22", 24" & 26".

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No. 716 Budding and Grafting Knife, 3 1/2" long, 2 blades, one for budding, one for grafting. Best quality steel. Ivory celluloid handle. L. 1. 2 1/2 oz. \$3.50 per pair. Immediate delivery.



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Campbell-Hausfeld Co., Harrison, Ohio
De Vilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Leyay Mfg. Co., Inc., 2908 Emerson Ave. S., Minneapolis, Minn.
Michigan Orchard Supply Co., South Haven, Mich.
Miller-Robinson Co., 7007 S. Avalon Blvd., Los Angeles 3, Calif.
Quincy Compressor Co., 217 Main, Quincy, Ill.
Tokheim Corp., 1659 Wabash Ave., Fort Wayne, Ind.
Willard-Anderson Co., Danville, Ill.
Worthington Corp., Holyoke, Mass.

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John Bean Div., Food Machinery & Chemical Corp., Lansing, Mich.
Edwards Equipment Co., 4312 Main St., Yakima, Wash.
Marden Mfg. Co., Auburndale, Fla.
Michigan Orchard Supply Co., South Haven, Mich.
CHIPPERS
Asplundh Chipper Co., Jenkintown, Pa.
Fitchburg Engineering Corp., Fitchburg, Mass.
Mitts & Merrill, Saginaw, Mich.

ROTARY BRUSH CUTTERS & MOWERS

Rotary Blade
Algoma Foundry & Machine Co., Algoma, Wis.
Brillion Iron Works, Inc., Brillion, Wis.
Bush Hog Mfg. Co., Selma, Ala.
E. L. Caldwell & Sons, 3204 Agnes St., Corpus Christi, Tex.
J. I. Case Co., 700 State St., Racine, Wis.
John Deere, Moline, Ill.
Howard C. Green, Portland, N. Y.
Homelite Div. of Textron, Inc., Port Chester, N. Y.
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.
Lilliston Implement Co., Albany, Ga.
New Idea Mfg. Co., Coldwater, Ohio
Sunflower Industries, Inc., Olathe, Kans.
Tractor & Implement Div., Ford Motor Co., Birmingham, Mich.
Trump Sales, Ltd., Box 160, Oliver, B. C., Canada
Wood Bros. Mfg. Co., Oregon, Ill.

Rotary Hammer

J. I. Case Co., 700 State St., Racine, Wis.
Lundell Mfg. Co., Cherokee, Iowa
C. W. Mott, 4014 Eberly Ave., Brookfield, Ill.
Parma Water Litter Co., Parma, Idaho
L. H. Schultz Mfg. Co., Rochelle, Ill.
Sunflower Industries, Inc., Olathe, Kans.



Air Powered Limb-Loppers Faster, Easier Than Ever

Basic engineering improvements now give faster pruning action—easily replaceable parts—longer field life. Save 30-50% of your pruning time!

Write for New Catalog A56,
"A Short Cut
Through the
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"TOUGH" Cuts slow you down? ...get SPEED with PORTER PRUNERS

You can take every cut in stride with PORTER PRUNERS, keep moving right along . . . even in tight crotches or on the hardest wood. They cut faster, cleaner, easier . . . permit closer, quicker-healing cuts in every pruning operation. Besides the pruners shown here, there is a complete line of PORTER POLE PRUNERS, both pulley and non-pulley types. All PORTER PRUNERS are fine quality tools with heat-treated, tool-steel blades. They stay sharp longer . . . give you troublefree service.

FORESTER Heavy-Duty Brush Cutter



The only pruner with exclusive "Power Shift." Instantly provides that extra cutting power needed for difficult cuts—with just a flick of the handles. Tops for root-cutting, low-height pruning, and general brush clearing. Easiest, quickest way to get clean, close cuts. Two capacities available: 1 1/2" or 2" green wood.

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This fast, troublefree pruner is a favorite in orchards and nurseries. Gives a comfortable grip and a long, easy "reach". Special, shear-type blades easily handle capacity cuts in throat—yet neatly nip off sprouts or suckers at points with minimum handle spread. Two sharp blades help cuts heal from both sides. Blades and handles of heat-treated, alloy steel. Length 20" or 24". Cutting capacity: 1 1/4".



Type QP Pruner with Short Arm and Pulley

A rugged, lightweight pruner that's invariably the choice for cutting thick growth in orchards and in shade and ornamental trees. Narrow head slips easily into difficult crotches . . . two sharp alloy tool-steel blades cut quickly—without damage to bark. Cuts heal from both sides. Available in lengths of 6', 8', 10' and 12'. Capacity: 1" green wood.

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NEW! HOMELITE ELECTRIC PRUNER

- Powerful — cuts 1 1/4" limbs
- Lightweight — only 6 1/2 lbs.
- Rim type saw cuts cleanly
- No freezing problem
- Runs anywhere from 90 pound Homelite Generator

Write for complete information and name of nearest dealer.

HOMELITE
A DIVISION OF TEXTRON INC.
PORT CHESTER, NEW YORK, U.S.A.

- Designed for the ORCHARD INDUSTRY



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Timken Bearings
Blood Bros.
Universal Joints
Spring Steel
Blades
Built-in Jack
Power Take-Off



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Corpus Christi, Texas

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B. F. Goodrich Co., 500 S. Main St., Akron, Ohio
A. M. Leonard & Son, Inc., Piqua, Ohio
Thomas B. Meehan Co., Inc., Dresher, Pa.
Permacel Tape Corp., New Brunswick, N. J.
Tyson Orchard Service, Flora Dale, Pa.

GRAFTING COMPOUNDS

John Bacon Corp., Gasport, N. Y.
Bartlett Mfg. Co., 3003 E. Grand Blvd., Detroit 2, Mich.
California Spray Chemical Corp., Richmond, Calif.;
Haddonfield, N. J.
Clarion Development Co., Clarion, Pa.
Flintkote Co., 30 Rockefeller Plaza, N. Y. 20, N. Y.
B. F. Goodrich Co., 500 S. Main St., Akron, Ohio
Heveatec Corp., Melrose, Mass.
Hill Top Orchards & Nurseries, Hartford, Mich.
A. M. Leonard & Son, Inc., Piqua, Ohio
Tyson Orchard Service, Flora Dale, Pa.

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A. M. Leonard & Son, Inc., Piqua, Ohio
Tyson Orchard Service, Flora Dale, Pa.

KNIVES, HOOKS, TOOLS

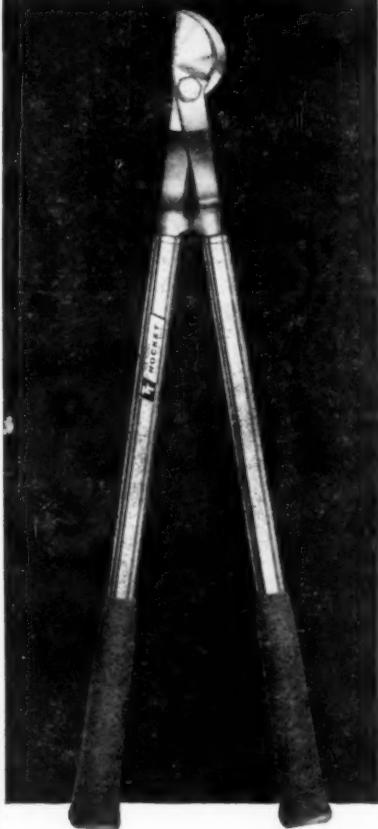
Atkins Saw Div., Borg-Warner Corp., 402 S. Illinois St., Indianapolis 9, Ind.
Coleman Tree Pruners, Tioga Center, N. Y.
Henry Disston & Sons, Inc., Unruh & Milnor, Philadelphia 35, Pa.
The Henry Co., Hamden, Conn.
A. M. Leonard & Son, Inc., Piqua, Ohio
Randall Knife Co., Orlando, Fla.
Tyson Orchard Service, Flora Dale, Pa.

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Friday Tractor Co., Hartford, Mich.
Mayrath, Inc., Dodge City, Kans.
Michigan Orchard Supply Co., South Haven, Mich.
Pitman Mfg. Co., 300 W. 79th Terrace, Kansas City, Mo.
Trump Sales Ltd., Box 160, Oliver, B. C., Canada

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Rocket Loppers Last Longer

Extra strong, yet lightweight, perfectly balanced. Cut costs because they won't bend or break in normal use. You'll speed pruning, yet be less tired using ROCKET loppers. Boron-alloy tubular steel handles soak up shock. Comfortable cushion grips prevent blisters, won't slip wet or dry or in gloved hands.

See all three models: A105 (above) for heavy duty; A103, home and garden model; A101, vineyards and light work. True Temper, 1623 Euclid Avenue, Cleveland 15, Ohio.



You can feel the power and balance in Rocket loppers

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THE RIGHT TOOL FOR THE RIGHT JOB

AMERICAN FRUIT GROWER

PRUNING & GRAFTING

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Coleman Tree Pruners, Tioga Center, N. Y.
Colona Clipper Co., Corona, Calif.
Henry Diston & Sons, Inc., Philadelphia 35, Pa.
GIFTSearchers, 490 Serpentine Drive, Pittsburgh 16, Pa.
Gust Gustafson Mfg. Co., Box 485, Yakima, Wash.
The Henry Co., Hamden, Conn.
Karl Kuehmerling, Inc., Canton, Ohio.
A. M. Leonard & Son, Inc., Piqua, Ohio.
Fred Marvin, Inc., 1968 Englewood Ave., Akron, Ohio.
H. K. Porter, Inc., Somerville, Mass.
Seymour Smith & Son, Inc., Oakville, Conn.
True Temper Corp., Keith Bldg., Cleveland, Ohio.
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Wiss My-Power Pruner

WISS PRUNERS
LOPPING SHEARS
ORANGE CLIPPERS

A Pruner for Every Purse and Purpose

Famous for Quality Since 1848 **J. Wiss & Sons Co.** NEWARK 7, N. J.

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G & Y Industries, 590 Dwight St., Springfield, Mass.
The Henry Co., Hamden, Conn.
Homelite, Div. of Textron, Inc., Port Chester, N. Y.
Karl Kuehmerling, Inc., 401 Cherry Ave., N. E., Canton 2, Ohio.
Lynd Fruit Farm, Pataskala, Ohio.
Michigan Orchard Supply Co., South Haven, Mich.
Miller-Robinson Co., 7007 Avalon Blvd., Los Angeles 3, Calif.
C. M. Roestenburg & Sons, Inc., 366 W. 7th St., Salt Lake City, Utah.

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Sizes for all your work from the SMALLEST CUTS that you would make with a HAND SHEAR to the largest cuts that you would make with ANY SHEAR.
Our ORCHARDKRAFT Air Powered PRUNERS are designed for Fruit Growers, by people who have supplied Fruit Growers' needs for over 50 years.
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John C. Bacon Corp., Gasport, N.Y.

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Daigler & Son, Burt, N. Y.
Henry Diston & Sons, Inc., Unruh & Milnor, Philadelphia, Pa.
Fanno Saw Works, 224 W. 8th Ave., Chico, Calif.
Gust Gustafson Mfg. Co., Box 485, Yakima, Wash.
The Henry Co., Hamden, Conn.
A. M. Leonard & Son, Inc., Piqua, Ohio.
H. K. Porter, Inc., Somerville 43, Mass.
J. B. Sebrell Corp., 300 S. Los Angeles St., Los Angeles, Calif.
Seymour Smith & Son, Inc., Oakville, Conn.
Tyson Orchard Service, Flora Dale, Pa.
Whitman & Robinson, Weedsport, N. Y.

POWER

Bud-Air Co., Inc., Pulaski, N. Y.
Homelite, Div. of Textron, Inc., Port Chester, N. Y.
Miller-Robinson Co., 7007 Avalon Blvd., Los Angeles 3, Calif.
Wright Power Saws Div., Thomas Industries, Louisville, Ky.

JULY, 1958

FITCHBURG Farm CHIPPERS

GET RID OF ORCHARD PRUNINGS...

• "at least $\frac{1}{3}$ cheaper"
• "easier than any other way"



Morris Schrauben, Route 1, Orleans, Michigan, runs orchard prunings and brush through his Model C-6 Fitchburg Farm Chipper.

Michigan grower with 50 acres of apple orchard, Morris Schrauben, writes: "I purchased a Model C-6 Fitchburg Chipper this spring and mounted it on a 1939 John Deere AO tractor. I have been topping some large trees and pruning very heavy in others and find the only breaking down of the brush required is to get it light enough to handle. I haven't the actual figures, but I feel I dispose of my brush at least one-third cheaper and easier than any other way."

USE CHIPS FOR MULCH

For their 1600 acres of apples and peaches, Alfred Caggiano, Sunny Slope Farms, Bridgeton, N. J., and Gaffney, S. C., says: "Our Fitchburg Farm Chippers are serving us a two-fold purpose. Not only do they save time and labor, but chips serve as ideal mulch." Fitchburg Farm Chippers not only save time and labor, but wood chip mulch around the base of trees pays off in better fruit and finish. Wood chips make ideal mulch—hold moisture readily, help prevent weed growth, discourage rodents.

BEST BUY FOR ORCHARDISTS

Fitchburg Farm Chippers are built for rugged farm use—to operate long hours at a time and stay out of your shop. Blades are high-chrome, high-carbon steel and should not need frequent sharpening.

Only Fitchburg Farm Chippers have the spring-activated feed plate that "gives" with the brush, pole wood, or slabs entering the chipper, protects you in case metal or other foreign materials are accidentally fed, gives equal ease in chipping all wood sizes to machine's rated capacity.

Only Fitchburg Farm Chippers give you a ONE YEAR GUARANTEE. Best of all, you can own a Fitchburg Farm Chipper for as little as \$960.

Mail the Coupon
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Coupon brings specifications, new color cutaway drawings on how Fitchburg Farm Chippers work in action, full information and data.

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FITCHBURG, MASSACHUSETTS, Dept. AF-78

Send free full Fitchburg farm data.

Name _____

Address or R.F.D. _____

Town _____ State _____

Orchard crop _____ Number of acres _____

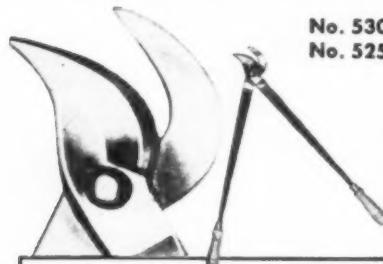
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The **TIFFANY** double cut, efficient
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hammer forged alloy steel parts **PLUS**
the **Seymour Smith** improved bolt
and nut joint, through handle and riveted
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TREE PRUNER (No. 3)**
An easy pull cuts 1" branches,
spring opens blade for next cut.
Lever action. Tempered cutlery
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SNAP-CUT**



No. 119-8"-\$2.95

The genuine, original "Snap-Cut" pruner.
Cuts easily up to $\frac{3}{4}$ " branches. A favorite
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Adhesive, waterproof, IT SEALS AND HEALS. APPLY COLD,
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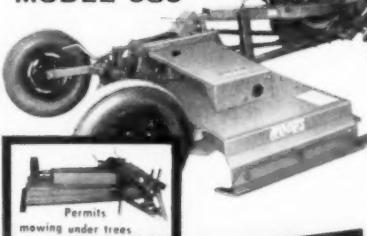
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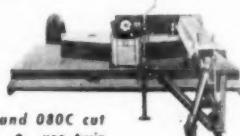
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Wood's Convertible Model 080C quickly converts
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Both the 080 and 080C cut
6-2/3 ft. swath • use twin
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Eliminate buck raking . . . stop wasting valuable
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solve your brush disposal problem the modern
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Specialists in the Manufacturing of
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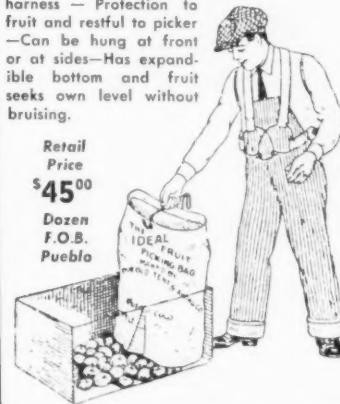
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Saves Time — Reduces Bruising
Heavy canvas over rigid frame protects
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Especially for peaches and easily
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Bag easily detaches from
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Extra Wide Base for Stability.

Serrated Flat Steps to Prevent Slipping.

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Any Lady or Child Can Handle Joe's Ladders.



**SAVE
SAVE
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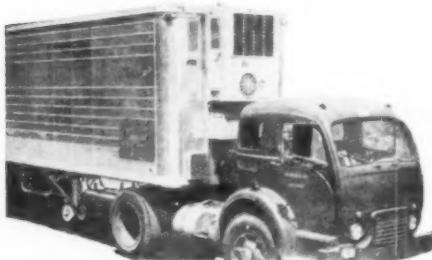
No "whiskers" on my berries

No Sir, none! Berries, you know, are like folks. They've got real tender skins and are sensitive to temperature change.

That's why I always truck out my berries cooled with a Thermo King. It gets 'em to market the way we picked 'em . . . bright red, shiny, firm, green stemmed. I guess the reason is because it has no constant blowing to dry the berries. And it keeps an even temperature to protect berries

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So believe you me, strawberries need cooling you can count on. That's why I use Thermo King for cooling. 'Course maybe you don't ship berries like me. But if you ship perishables, you'd be smart to look into Thermo King.



First Name in Truck and Trailer Refrigeration
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Miller Mfg. Company, 7th & Stockton Sts., Richmond, Va.
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Osawasco Folding.
Fully Collapsible.
Easier to Handle.



Standard Field Crate



Sturdy Wide Slat Type.
Gives fruit Maximum Protection.
Available built up or semi knocked down.
Perfect for Pallet use.

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PICKING BUCKET
A kidney-shaped galvanized bucket carried with a single or double strap as desired. This is new. Price, \$4.95. Order from your Dealer. If he cannot supply you, order direct. Dealers write.

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Bulk Handling
AT
LOW COST

Use Smalley's Collapsible BULK BIN

Also—
Bushel field boxes
and tops and bottoms
for packing boxes



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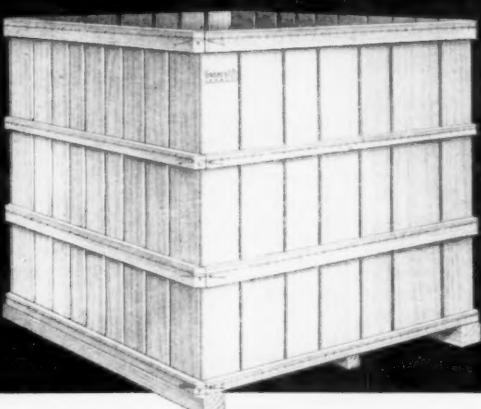
You get greater
economies
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Fruit

with Generalift® WIREBOUND PALLET BOXES

Only Generalifts® Have ALL These Features:

- **Hardwood Construction**
Combination of rugged hardwood and wirebound construction, easily handles 1-ton loads. Stack 4 to 6 high.
- **Exterior Cleats**
Leaves interior clear and free of bruising projections—adds to strength.
- **Generaloop Closures**
Give added strength, longer life, easily applied, permit quick disassembly.
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Slatted sides and skid clearance allows air to circulate through bulk loads.
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Permits fork or tractor lift entry. Simplifies stacking.



Growers, Processors, Pre-Packers Save Labor, Money—Improve Quality

Typical Fruit handled in Generalifts

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Grapefruit
Lemons
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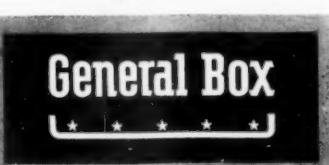
There are big economies in the bulk handling of agricultural products—and even bigger economies when Generalift Wirebound Pallet Boxes are used. The combination of rugged resawn northern hardwood and wirebound construction gives these pallet boxes great strength, longer life. They're built to withstand the rigors of exposure, rough use, heavy loads and high stacking in storage.

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LONG-LIFE, LOW-MAINTENANCE PICKING BOXES

Have same rugged wirebound construction with tough resawn hardwoods to make the sturdiest picking boxes available. Available in 1 and 1 1/4 bushel sizes. Stack securely, nest in storage.



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PROVED BEST BY TEST



Trump GIRETTE

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Self propelled aerial platform for pruning, thinning, picking. Working height up to 18 ft.



Trump Tree Tiller—the original and still the best.



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Also—Concentrate Sprayers
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HANDY PICKING BUCKET

Non-Bruising, Non-Spilling,
Reinforced 28 Gauge Steel.
Heavy Duck Bag.
Write for Folder.

FRUIT PICKING EQUIPMENT CO.
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APPEACH Deluxe
Rigid frame, canvas covered bucket designed especially for peaches and easily bruised apples. Excellent for other fruits. Stiff front stays protect against ladder. Top large enough for picked to lay fruit in carefully. Bottom is quick release type.

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**LIFT 'EM—HAUL 'EM—LOAD 'EM
EASILY with a HENDERSON**

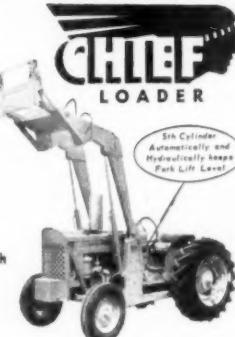


- ★ Lifts over 2000 lbs. nearly 9 1/2 feet high.
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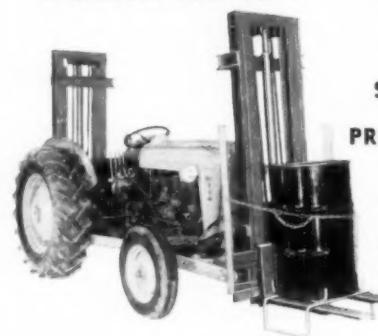
5th Cylinder
Automatically and
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load lift even.

Ideal For Tree Picking
With Platform

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FORK LIFTS



Front or Rear Mount
For Any Standard Tractor

3750# Capacity 9' Lift

Subframe Quickly On & Off

PRICED LOWEST IN THE FIELD

Simplicity of Design
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(Near Benton Harbor)

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**A FORKLIFT FOR MOST
3-POINT HITCH TRACTORS**

- Removes in minutes—No undercarriage needed
- Unit is 6 ft. high—Lifts 6 ft.
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- Has its own lift and tilt cylinders
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IDEAL FOR BULK BOX HANDLING

ONLY \$595.00
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OWOSO, MICHIGAN
(DEALER INQUIRIES INVITED)



• Use counterweights for loads over 900 lbs.

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IMMEDIATE DELIVERY

1. Heavy Duty—Light Weight
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3. Same Material as Our Industrial Ladders
4. Will Withstand Rough Use
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2 Great Picking Bags RK and YAKIMA

Designed to save fruit, hold one bushel and be comfortable on the picker. Both with padded metal top rims, two inch wide heavy web shoulder straps with adjusting slides. Both made of heavy 12 ounce canvas. Contact your dealer or write us direct.

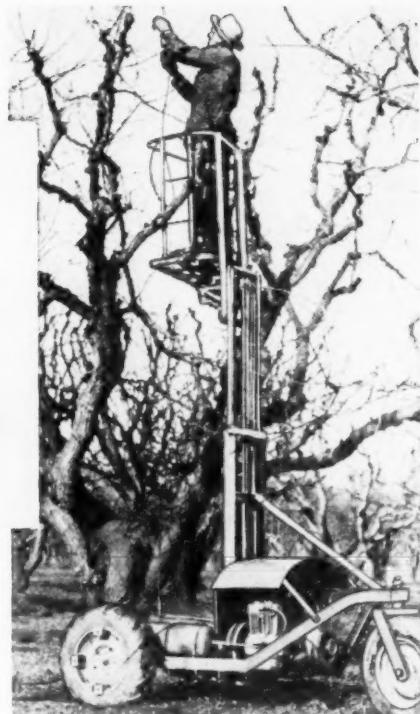
Both these famous bags now manufactured by

**Yakima Tent and Awning
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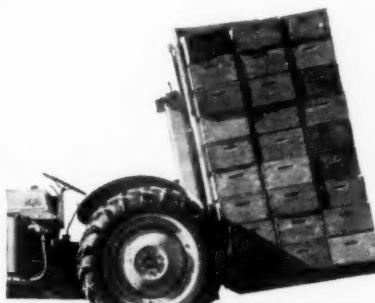
Cut labor costs in half

Steel Squirrel lets one man outwork 2 to 3 with ladders



UNRIValed IN ITS FIELD. Orchard pruning, picking, thinning and wiring costs are cut in half — or better — with the Steel Squirrel self-propelled elevating tower. It's easy to use . . . has ample power and traction to work in all types of terrain and ground conditions . . . gives workers big advantages over ladder labor. The safe, steady platform raises instantly to give the operator a working height of up to 22-feet. Traveling and turning is foot-controlled, hands are left free for working. A built-in compressor provides power for pneumatic tools.

NEW EQUIPMENT FOR BULK PICKING. With new attachments, the "Squirrel" makes big savings at harvest time. A fork lift attachment carries bulk bins, and special picking bucket with compressed air "cushion" bolts to operator's platform and handles fruit without bruising. Fruit rolls from bucket to bin via canvas sleeve. Use coupon below to get details.



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LIFT ATTACHMENT
FOR YOUR TRACTOR**

*See your dealer or
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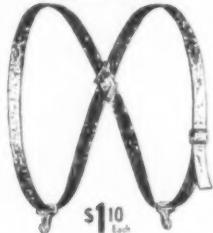
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SQUIRREL**

HARVESTING

PICKING HARNESSSES

Fruit Picking Equipment Co., Lawrence, Mich.

IDEAL HARNESS for CHERRY and BERRY PICKING BUCKETS



Adjustable, Medium Weight Webbing—Nickel Plated Snaps and Buckles
Featuring the equalizing loop which compensates for shifting of load
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TREE SHAKER

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Patented

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EVERY
20 SECONDS

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A single fingertip lever to raise and lower boom . . . another to clamp limb in "Bear Hug" claw . . . a third to start shake. Mounts on most wheel tractors with front power take-off. Unique—none like it anywhere. Pays for itself over and over in savings of labor, time and crops. Write for full details and prices today.

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BARTLETT No. 3—20 COMBINATION GRADER

This grader is an excellent combination grader; handling oranges, limes, lemons, apricots, tangerines, grapefruit, apples, peaches, pears and tomatoes.

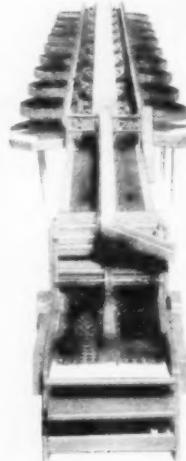
The picture shows a double-sided machine making 10 sides each side in two grades, a single belt and table for 3rd grade and a cult belt. Sizer has a reject belt returning to a single table each side. Conveyor is double sided with double eliminator belts, a flat belt is also provided in the combination grader to feed such fruit as pears, peaches, tomatoes, apricots, etc. directly to the roller conveyor, 12 ft. inspection is provided on the 10 sizer machine. It also has a 4 disc polisher mounted over the incline portion of the conveyor.

Conveyor rollers are rubber covered, tables are rubber lined with deep cushion rubber on the bottoms.

The entire grader is designed to handle mature fruit without bruising.

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Fruit Industries Research Foundation, 104½ W.
Yakima, Yakima, Wash.



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Aeroglide Corp., 510 Glenwood Ave., Raleigh, N.C.
American Specialty Co., Amherst, Ohio
Cleveland Lathe Machine Co., 5400 Brookpark Rd.,
Cleveland, Ohio
Hamer Machine Co., St. Louis Park, Minn.
Producers' Exchange, Inc., 20 So. Huron St., Toledo
4, Ohio
Trescott Co., Fairport, N.Y.

BAG CLOSURES

PLASTIC
Kwik-Lok Corp., Box 2098, Yakima, Wash.

TAPE
Cincinnati Cordage & Paper Co., Lima, Ohio
Producers' Exchange, Inc., 20 So. Huron St., Toledo
4, Ohio

WIRE TIE

American Wire Tie Co., Gowanda, N.Y.
Cleveland Lathe Machine Co., 5400 Brookpark Rd.,
Cleveland, Ohio
Gilligan's, 6400 E. Washington Blvd., Los Angeles
22, Calif.
Producers' Exchange, Inc., 20 So. Huron St., Toledo
4, Ohio

BAGGING MACHINES

Aeroglide Corp., 510 Glenwood Ave., Raleigh,
N.C.
Agricultural Instrument Co., State College, Pa.
Baker Machinery Co., Box 455, Kennewick, Wash.
Ernst Bros., Inc., Bakersfield, Calif.
Exact Weight Scale Co., 543 E. Town St., Columbus
15, Ohio
Florida Div., Food Machinery & Chemical Corp.,
Lakeland, Fla.
New Hampshire Implement Co., Hatfield, Mass.

Index, Coupon & Supply Co., 612 Indiana Ave.,
La Porte, Ind.
King Wyse, Div. of Boggs Mfg. Corp., Archbold,
Ohio
Michigan Orchard Supply Co., South Haven, Mich.
Producers' Exchange, Inc., 20 S. Huron St., Toledo,
Ohio
Tew Mfg. Corp., (Market Maker), Fairport, N.Y.
Troyer Mfg. Co., Smithville, Ohio
Wayland Machinery Co., Covington, Va.

BELTING

CONVEYOR

Agricultural Rubber Products Corp., 103 Warren St.,
N.Y. 7, N.Y.
The Colorado Fuel & Iron Corp., P.O. Box 1920,
Denver, Colo.
Hewitt Rubber Div., Hewitt-Robins, Inc., 240 Ken-
ington Ave., Buffalo, N.Y.

LACING

Detroit Belt Lacer Co., 3951 A St., Detroit, Mich.
Flexible Steel Lacing Co., 4607 Lexington Ave., Chi-
cago, Ill.

TRANSMISSION

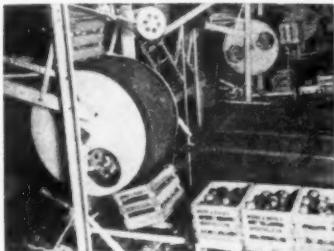
Agricultural Rubber Products Corp., 103 Warren St.,
N.Y. 7, N.Y.

BOX DUMPERS

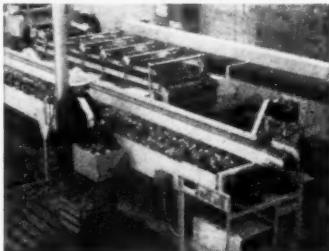
John Bean Div., Food Machinery & Chemical Corp.,
Lansing, Mich.
Chisholm-Ryder Co., Inc., Niagara Falls, N.Y.
Florida Div., Food Machinery & Chemical Corp.,
Lakeland, Fla.
Friday Tractor Co., Hartford, Mich.
Hilltop Orchards and Nurseries, Hartford, Mich.
Michigan Orchard Supply Co., South Haven, Mich.
Trescott Co., Fairport, N.Y.
Van Doren Equipment, 923 N. Wenatchee Ave.,
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JULY, 1958



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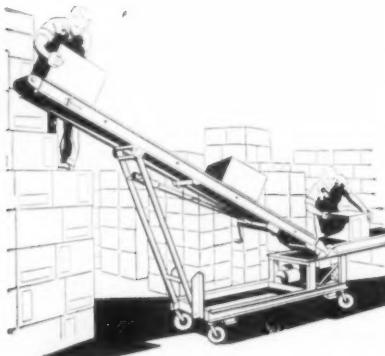
BOX FORMS

F. D. Croce & Co., Inc., 386 Washington St., N.Y.
13, N.Y.
Wells & Wade, 201 Wenatchee Ave., Wenatchee,
Wash.

BRUSHES

John Bean Div., Food Machinery & Chemical Corp.,
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Bean-Cutter Div., Food Machinery & Chemical
Corp., San Jose, Calif.
Durand Co., Woodbury, Ga.
Fuller Brush Co., Hartford, Conn.
Lobey Pump & Mchv. Co., Gasport, N.Y.
F. B. Pease Co., 1344 E. Henrietta Rd., Rochester,
N.Y.
Tew Mfg. Corp., (Friend & Trescott), Fairport, N.Y.
Wayland Machinery Co., Covington, Va.

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PACKING HOUSE EQUIPMENT

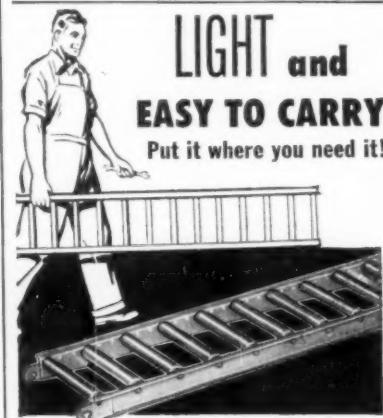
CONVEYORS

GRAVITY—ROLLER AND WHEEL

John Bacon Co., Gasport, N. Y.
Belt Corporation, Orient, Ohio
Burrows Equipment Co., 1316 Sherman Ave., Evans-
ton, Ill.
E. W. Buschman Co., Clifton & Spring Grove, Cin-
cinnati, Ohio
Durand Co., Woodbury, Ga.
Florida Div., Food Machinery & Chemical Corp.,
Lakeland, Fla.
Food Machinery & Chemical Corp., Packing Equip-
ment Div., Riverside, Calif.
General Metals Inc., 858 Goldsboro St., Greens-
boro, N. C.
Lamson Corp., Lamson St., Syracuse 1, N. Y.
Lobbe Pump & Machine Co., Gasport, N. Y.
Mathews Conveyor Co., Ellwood City, Pa.
Metzgar Conveyor Co., 412 Douglas N. W., Grand
Rapids 4, Mich.
Michigan Orchard Supply Co., South Haven, Mich.
Oliver Corporation, 400 W. Madison St., Chicago
6, Ill.
Portable Elevator Mfg. Co., 920 E. Grove St.,
Bloomington, Ill.
Power-Curve Conveyor Co., Denver 19, Colo.
Producers' Exchange, Inc., 20-32 So. Huron St.,
Toledo 4, Ohio
Rapids-Standard Co., Inc., Rapistan Bldg., N.W.,
Grand Rapids 2, Mich.
Red Cross Mfg. Co., Bluffton, Ind.
The Scott Viner Co., 1224 Kinnear Rd., Columbus 8
Ohio
Standard Conveyor Co., 16 Indiana Ave., N. St.,
Paul, Minn.
Tew Mfg. Corp. (Friend & Tew), Fairport, N. Y.
Tewco Co., Fairport, N. Y.
Tri-Pak Machinery Service, Inc., Harlingen, Texas
Troyer Mfg. Co., Smithville, Ohio

POWER

Aeroglide Corp., 510 Glenwood Ave., Raleigh, N.C.
American Conveyor Co., 115 W. Adams, Chicago,
Ill.
Belt Corporation, Orient, Ohio
Boags Mfg. Corp., Atlanta, N.Y. & Detroit Lakes,
Minn.
Burrows Equipment Co., 1316 Sherman Ave., Evans-
ton, Ill.
E. W. Buschman Co., Clifton & Spring Grove, Cin-
cinnati, Ohio
Durand Co., Woodbury, Ga.
Florida Div., Food Machinery & Chemical Corp.,
Lakeland, Fla.
General Metals Inc., 858 Goldsboro St., Greens-
boro, N. C.
Lake Shore Eng. Co., Iron Mountain, Mich.
Lamson Corp., Lamson St., Syracuse 1, N. Y.
Link-Belt Co., Prudential Plaza, Chicago 1, Ill.
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Oliver Corporation, 400 W. Madison St., Chicago

6, Ill.

Portable Elevator Mfg. Co., 920 E. Grove St.,

Bloomington, Ill.

Power-Curve Conveyor Co., Denver 19, Colo.

Producers' Exchange, Inc., 20-32 So. Huron St.,

Toledo 4, Ohio

Rapids-Standard Co., Inc., Rapistan Bldg., N.W.,

Grand Rapids 2, Mich.

Red Cross Mfg. Co., Bluffton, Ind.

The Scott Viner Co., 1224 Kinnear Rd., Columbus 8

Ohio

Standard Conveyor Co., 16 Indiana Ave., N. St.,

Paul, Minn.

Tew Mfg. Corp. (Friend & Tew), Fairport, N. Y.

Tewco Co., Fairport, N. Y.

Tri-Pak Machinery Service, Inc., Harlingen, Texas

Troyer Mfg. Co., Smithville, Ohio

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Continental Paper Products Co., 1000 W. Louisiana Ave., Denver, Colo.
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Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio.
Tyson Orchard Service, Flora Dale, Pa.
Webster Basket Co., Webster, N.Y.

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Durand Co., Woodbury, Ga.
Florida Div., Food Machinery & Chemical Corp., Lakeland, Fla.
Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.
Ideal Grader & Equipment Co., Hood River, Oreg.
Lobee Pump & Mfg. Co., Gasport, N.Y.
Michigan Orchard Supply Co., South Haven, Mich.
F. P. Pease Co., 1344 Henrietta Rd., Rochester, N.Y.
Shoof Orchards Prod. Co., 105 N. Washington St., Peoria, Ill.
Tew Mfg. Corp. (Friend & Trescott), Fairport, N.Y.
Tri-Pak Machinery Service, Inc., Harlingen, Texas.
Tyson Orchard Service, Flora Dale, Pa.
Van Doren Equipment Co., 923 N. Wenatchee Ave., Wenatchee, Wash.
Wayland Machinery Co., Covington, Va.

HOISTS

Coffing Hoist Co., Danville, Ill.
Flinchbaugh Co., York, Pa.
Wright Hoist Div., American Chain & Cable Co., Inc., York, Pa.

HYDROCOOLERS

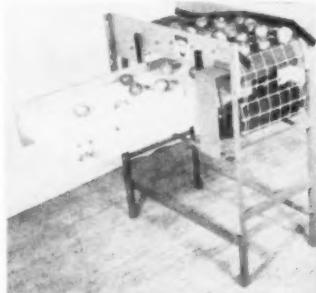
Aeroglide Corp., 510 Glenwood Ave., Raleigh, N.C.
Clarksville Machine Wks., 1310 West Cherry, Clarksville, Ark.
Durand Co., Woodbury, Ga.
Florida Div., Food Machinery & Chemical Corp., Lakeland, Fla.
Michigan Orchard Supply Co., South Haven, Mich.
Tri-Pak Machinery Service, Inc., Harlingen, Texas

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Link-Belt Co., Prudential Plaza, Chicago 1, Ill.
Tri-Pak Machinery Service, Inc., Harlingen, Texas

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Continental Paper Products Co., 1000 W. Louisiana Ave., Denver, Colo.
F. D. Croce & Co., Inc., 386 Washington St., N.Y., 13, N.Y.
Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.

LOADERS, TRUCK

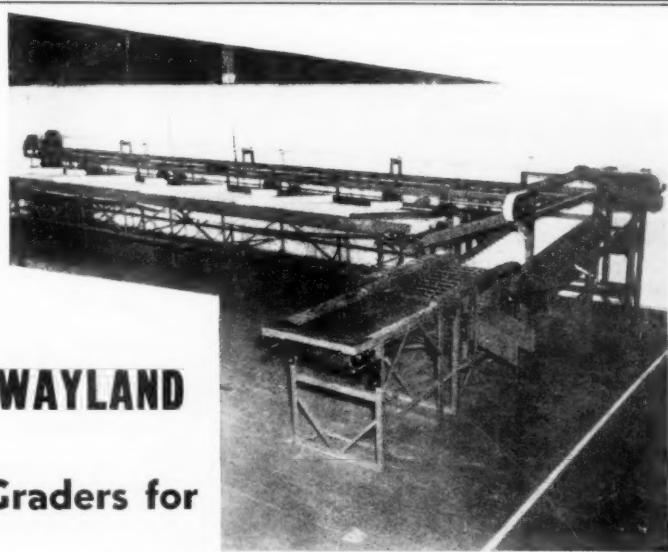
Portable Elevator Mfg. Co., 920 E. Grove St., Bloomington, Ill.
Stratton Equipment Co., 2030 E. 105 St., Cleveland, Ohio

PACKING FORMS

Continental Paper Products Co., 1000 W. Louisiana Ave., Denver, Colo.
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Fruit & Produce Packing, Inc., 700 W. Morris St., Indianapolis 6, Ind.
Rice, Tew & Rice Co., Bigerville, Pa.
Tyson Orchard Service, Flora Dale, Pa.
Webster Basket Co., Webster, N.Y.

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Boggs Mfg. Corp., Atlanta, N.Y., Detroit Lakes, Minn.
Durand Co., Woodbury, Ga.
Equipment Company, Western, 9 South 1st Ave., Yakima, Wash.
Florida Div., Food Machinery & Chemical Corp., Lakeland, Fla.
Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.
Ideal Grader & Nursery Co., Hood River, Oreg.
Lobee Pump & Machinery Co., Gasport, N.Y.
Tew Mfg. Corp. (Friend & Trescott), Fairport, N.Y.
Tri-Pak Machinery Service, Inc., Harlingen, Texas.
Trescott Co., Fairport, N.Y.
Troyer Mfg. Co., Smithville, Ohio
R. G. White Mfg. Corp., Ozone Park 16, N.Y.



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Exact Weight Scale Co., 543 E. Town St., Columbus 15, Ohio

Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
Howe Scale Co., Rutland, Vt.

Michigan Orchard Supply Co., South Haven, Mich.
Producer's Exchange Inc., 20 S. Huron St., Toledo 4, Ohio

Tew Mfg. Corp. (Market Maker), Fairport, N.Y.
Toledo Scale Co., Telegraph Road, Toledo 1, Ohio
Trescott Co., Fairport, N.Y.

SORTING TABLES, FRUIT

Aeroglide Corp., 510 Glenwood Ave., Raleigh, N.C.
Dodge Yakima Supply Co., 109 S. Front St., Yakima, Wash.

Durand Co., Woodbury, Ga.
Florida Div., Food Machinery & Chemical Corp., Lakeland, Fla.

Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.

Fruit Packing Equipment Co., Swoope, Va.
Ideal Grader & Nursery Co., Hood River, Oreg.

Lobee Pump & Machinery Co., Gasport, N.Y.
Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

Tew Mfg. Corp. (Friend & Trescott), Fairport, N.Y.
Wayland Machinery Co., Covesville, Va.

SPONGE RUBBER SHEETING

Broadway Rubber Co., 529 E. Broadway, Louisville, Ky.
Faultless Rubber Co., Ashland, Ohio

Market Products, 514 Jackson Ave., Bronx 55, N.Y.
Sponge Rubber Products Co., Shelton, Conn.

United States Rubber Co., 1230 Ave. of the Americas, N.Y. 20, N.Y.

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Bostitch Inc., 430 Briggs Dr., E. Greenwich, R.I.
F. D. Croce & Co., Inc., 386 Washington St., N.Y. 13, N.Y.

Fruit & Produce Pack. Co., 700 W. Morris St., Indianapolis, Ind.

International Staple & Machine Co., Herrin, Ill.

Markwell Mfg. Co., Inc., 200 Hudson St., N.Y. N.Y.

Pittsburgh Steel Co., 1600 Grant Bldg., Pittsburgh 30, Pa.

Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio

Republic Steel Corp., Republic Bldg., Cleveland, Ohio

Saranac Machine Co., Benton Harbor, Mich.

Trescott Co., Fairport, N.Y.

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Elwell Parker Electric Co., 4205 St. Clair Ave., Cleveland, Ohio

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Independent Distributors, 27 N. E. Broadway, Portland, Oreg.

Lamson Mobilift Corp., 835 S. E. Main St., Portland, Oreg.

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Michigan Orchard Supply Co., South Haven, Mich.

Lift Trucks, Inc., 2425 Spring Grove Ave., Cincinnati 14, Ohio

Mercury Mfg. Co., 4044 So. Halsted, Chicago 9, Ill.
Michigan Orchard Supply Co., South Haven, Mich.

Tomotor Corp., 1226 E. 152nd, Cleveland 10, Ohio

Yale & Towne Mfg. Co., Roosevelt & Haldeman Aves., Phila., Pa.

WASHERS, FRUIT

Aeroglide Corp., 510 Glenwood Ave., Raleigh, N.C.
Durand Co., Woodbury, Ga.

Florida Div., Food Machinery & Chemical Corp., Lakeland, Fla.

Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.

Ideal Grader & Equip. Co., Hood River, Oreg.

Lobee Pump & Machinery Co., Gasport, N.Y.

Tew Mfg. Corp. (Trescott & Market Maker), Fairport, N.Y.

WAX

Clarion Development Co., Clarion, Pa.

Dow Chemical Co., Midland, Mich.

Florida Div., Food Machinery & Chemical Corp., Lakeland, Fla.

Food Machinery & Chemical Corp., Packing Equipment Div., Riverside, Calif.

S. C. Johnson & Son, Inc., 1525 Howe, Racine, Wis.

Lobee Pump & Machinery Co., Gasport, N.Y.

Tew Mfg. Corp., Fairport, N.Y.

Trescott Co., Fairport, N.Y.

WAXERS

Aeroglide Corp., 510 Glenwood Ave., Raleigh, N.C.
Florida Div., Food Machinery & Chemical Corp., Lakeland, Fla.

Lobee Pump & Machinery Co., Gasport, N.Y.

Tew Mfg. Corp. (Trescott & Market Maker), Fairport, N.Y.

Trescott Co., Fairport, N.Y.

Tri-Pak Machinery Service, Inc., Harlingen, Texas.



PACKAGES and Packaging

ADHESIVES

Clark Stik-O Corp., 1631 Dewey, Rochester 13, N.Y.
CAPS, CORRUGATED

Berryville Basket Co., Inc., Berryville, Va.
Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis 6, Ind.
Hinde & Dauch Paper Co., Sandusky, Ohio
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio

Rice, Trew & Rice Co., Biglerville, Pa.
Tyson Orchard Service, Flora, Date, Pa.
Webster Basket Co., Webster, N.Y.

CONTAINERS

BAGS, CLOTH, OPEN MESH, PAPER

Bemis Bros. Bag Co., 408 Pine St., St. Louis 2, Mo.
Chase Bag Co., 155 E. 44th St., N.Y. 17, N.Y.
Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio

Crestwood Paper Products Co., Inc., Manchester, Conn.
Fulton Bag & Cotton Mills, 1400 Annunciation St., New Orleans, La.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio

Rangeland Specialty Bag Co., Box 1441, Denver 14, Colo.



PAPER CIDER CARTONS WITH *Sales Appeal*



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We can furnish printed cellophane, sheets, bags, rolls for your pre-packaging needs.

St. Regis Paper Co., 230 Park Ave., N.Y. 17, N.Y.
Union Bag & Paper Corp., Woolworth Bldg., N.Y. 7, N.Y.

BAGS, POLYETHYLENE COATED, PAPER

Crown Zellerbach, 343 Sansome St., San Francisco, Calif.
Milprint, Inc., 4200 N. Holton St., Milwaukee 1, Wis.

BAGS, TRANSPARENT

Colange Corporation of America, Plastic Div., 290 Ferry St., Newark, N.J.
Central States Paper & Bag Co., Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.

Chase Bag Co., 155 E. 44th St., N.Y. 17, N.Y.
Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio

Continental Can Co., Shellmar-Betner Div., 100 E. 42nd St., N.Y. 17, N.Y.
Crestwood Paper Products Co., Inc., Manchester, Conn.

Crystal Tube Corp., 6625 W. Diversey Prkwy., Chicago 13.
Dobekhian Co., A Division of the Dow Chemical Co., 3301 Monroe Ave., Cleveland 1, Ohio

Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis 6, Ind.
Fulton Bag & Cotton Mills, 1400 Annunciation St., New Orleans, La.

Goodyear Tire & Rubber Co., 1144 E. Market St., Akron, Ohio

Howard Plastics, Inc., Council Bluffs, Iowa
Mehl Mfg. Co., 2057 Reading, Cincinnati 2, O.

Milprint, Inc., 4200 N. Holton St., Milwaukee 1, Wis.
Muskegon Marking Equipment Co., Muskegon, Mich.

Newark Paraffin & Parc. Paper Co., 50 Jeff Ave., Newark 8, N.J.

Oneida Paper Products, Inc., Clifton, N.J.

Pak-Rite Flexible Packaging Co., 75 Greene St., Brooklyn 22, N.Y.

Pexco Bag Mfg. Co., 32 S. Huron, Toledo 4, Ohio

Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
Rice, Trew & Rice Co., Biglerville, Pa.
The Visking Corp., Plastics Div., Terre Haute, Ind.

BARRELS

Maslow Cooperage Corp., Valley Stream, N.Y.

BASKETS, CORRUGATED, FIBEROBOARD, PAPERBOARD

F. D. Croce & Co., Inc., 386 Washington, N.Y.
Fort Wayne Corrugated Paper Co., Fort Wayne 1, Ind.

Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis 6, Ind.
Gaylord Container Corp., 111 N. 4th St., St. Louis 2, Mo.

Hankins Container Co., 14801 Emery Ave., Cleveland, Ohio
The Hinde & Dauch Paper Co., Sandusky, Ohio
Keyes Fibre Co., Waterville, Me.

Ohio Boxboard Co., Rittman, Ohio
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio

Rice, Trew & Rice Co., Biglerville, Pa.
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Wabash Fibre Box Co., Terre Haute, Ind.

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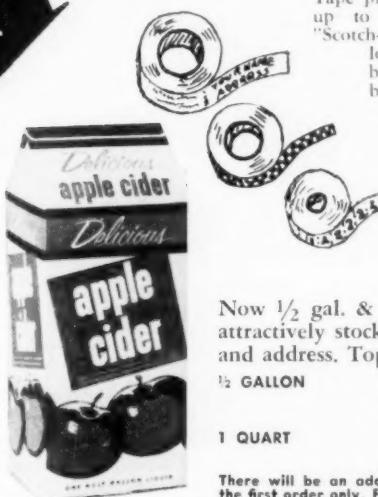
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American Veneer Package Assoc., Orlando, Fla.
Barden & Robeson Corp., Lockport, N.Y.
Berryville Basket Co., Inc., Berryville, Va.
F. D. Croce & Co., Inc., 386 Washington St., N.Y.
13, N.Y.; Modena, N.Y.
Frank L. Deane & Son, Inc., Sodus, Mich.
Marietta Fruit Pkg. & Lumber Co., Marietta, Ohio

Marvil Package Co., Hebron, Del.
Paducah Box & Basket Co., Paducah, Ky.
Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio

H. L. Rapp & Son, Carpentersville, Ill.
Ripley, Box & Basket Co., Inc., Ripley, Tenn.
Riverside Mfg. Co., Murfreesboro, N.C.
Sodus Basket Co., Sodus, N.Y.
Webster Basket Co., Webster, N.Y.

BOX SHOCKS

F. D. Croce & Co., Inc., 386 Washington, N.Y.
General Box Co., 1825 Miner, Des Plaines, Ill.
Kenova Box Co., Kenova, W.Va.
Marinette & Menominee Box Co., Marinette, Wis.
Mell Lumber Co., 4036 Spruce St., Philadelphia 4, Pa.

Miller Mfg. Co., 7th & Stockton St., Richmond, Va.

BOXES AND CRATES, BERRY

American Veneer Package Assoc., Inc., Orlando, Fla.
Berlin Fruit Box Co., Berlin Heights, Ohio
Frank L. Deane & Son, Inc., Sodus, Mich.
Fort Wayne Corrugated Paper Co., Fort Wayne 1, Ind.

Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis, Ind.
Robert Gair Div., Continental Can Co., 155 E. 44 St., N.Y. 17, N.Y.

General Box Co., 1825 Miner, Des Plaines, Ill.
Keyes Fibre Co., Waterville, Me.
Marvil Package Co., Hebron, Del.

Miller Mfg. Co., 7th & Stockton St., Richmond 11, Va.

New Albany Box & Basket Co., New Albany, Ind.
Ohio Boxboard Co., Rittman, Ohio
Ronald Pennington, Rockford, Mich.
Penn-Mar Container Corp., 56th St. & Paschall Ave., Philadelphia 43, Pa.

Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio

Wabash Fibre Box Co., Terre Haute, Ind.
Webster Basket Co., Webster, N.Y.

BOXES AND CRATES—CORRUGATED, FIBERBOARD, PAPERBOARD

Alford Cartons, Ridgefield Park, N.J.
Atlas Boxmakers, Inc., 5025 W. 65th St., Chicago, Ill.

Baltimore Paper Box Co., Key Highway-Jackson-Gittings-Covington & Ostend Sts., Baltimore, Md.
Bird & Son, Inc., E. Walpole, Mass.
Chaffee Brothers Co., Main St., Oxford, Mass.
Corrugated Container Co., 438 Dublin St., Columbus, Ohio

F. D. Croce & Co., Inc., 386 Washington St., N.Y.
13, N.Y.; Modena, N.Y.

Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Ft. Wayne, Ind.

Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis, Ind.
Robert Gair Div., Continental Can Co., 155 E. 44 St., N.Y. 17, N.Y.

Gaylord Container Corp., 111 N. 4th, St. Louis 2, Mo.

Hankins Container Co., 14801 Emery Ave., Cleveland, Ohio

Hinde & Dauch Paper Co., Sandusky, Ohio

Hoerner Corp., Keokuk, Iowa

Iowa Fiber Box Co., Keokuk, Iowa

Marinette & Menominee Box Co., Harsner St., Marinette, Wis.

Miller Mfg. Co., 7th & Stockton St., Richmond, Va.

Ohio Boxboard Co., Rittman, Ohio

Paisley Products, 630 W. 51st, N.Y., N.Y.

Penn-Mar Container Corp., 56th St. & Patchall Ave., Philadelphia 43, Pa.

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Mich. • Macon, Ga. • Erie, Pa. • Ashtabula, Ohio •
Orlando, Fla. • Rome, Ga. • Biglerville, Pa. • Dallas, Tex.

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Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
 Squires Mfg. Co., Milan, Mich.
 Rice, Trew & Rice Co., Bigerville, Pa.
 Edwin J. Schoeffel Co., 533 N. 11th St., Philadelphia 23, Pa.
 Simplex Paper Corp., Adrian, Mich.
 Fred C. Strype, 20 Vesey St., N. Y., N. Y.
 Union Bag & Paper Corp., Woolworth Bldg., N.Y., 17, N.Y.
 Wabash Fibre Box Co., Terre Haute, Ind.

BOXES AND CRATES, WIREBOUND

Continental Box Co., Inc., Houston 1, Texas
 F. D. Croce & Co., Inc., 386 Washington St., N.Y., 13, N.Y.; Modena, N.Y.
 General Box Co., 1825 Miner, Des Plaines, Ill.
 Marinette & Menominee Box Co., Marinette, Wis.
 Producer's Exchange, Inc., 20-32 So. Huron St., Toledo, Ohio
 Wirebound Box Mfg. Assn., 327 S. La Salle St., Chicago 2, Ill.
 Wisconsin Box Co., Wausau, Wis.

BOXES AND CRATES, WOOD

American Veneer Package Assn., Inc., Orlando, Fla.
 Atlas Boxmakers, Inc., 5025 W. 65 St., Chicago, Ill.
 Barden & Robeson Corp., Lockport, N.Y.
 Berryville Basket Co., Inc., Berryville, Va.
 F. D. Croce & Co., Inc., 386 Washington St., N.Y., 13, N.Y.; Modena, N.Y.
 General Box Co., 1825 Miner, Des Plaines, Ill.
 Kenova Box Co., Kenova, W. Va.
 Marinette & Menominee Box Co., Marinette, Wis.
 Mell Lumber Co., 4036 Spruce St., Philadelphia, Pa.
 Miller Mfg. Co., 7th & Stockton St., Richmond, Va.
 National Wooden Box Assn., 402 Barr Bldg., Washington, D.C.
 Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
 Sodus Basket Co., Sodus, N.Y.
 Squires Mfg. Co., Milan, Mich.
 The Wooden Box Institute, 55 New Montgomery St., San Francisco 5, Calif.

CARTONS, CONSUMER

Atlas Boxmakers, Inc., 5025 W. 65 St., Chicago, Ill.
 Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
 Friday Pack Containers Div., Pacific Pulp Molding Co., 2035 S. W. 58th St., Portland, Ore.
 Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis, Ind.
 Robert Gair Div., Continental Can Co., 155 E. 44 St., N.Y., 17, N.Y.
 Gaylord Container Corp., 111 N. 4th St., St. Louis, Mo.
 The Hinde & Dauch Paper Co., Sandusky, Ohio
 Ohio Boxboard Co., Rittman, Ohio
 Penn-Mar Container Corp., 56th St. & Paschall Ave., Philadelphia 43, Pa.
 PrePackage Sales Corp., Rock Island, Ill.
 Producer's Exchange, Inc., 20 S. Huron St., Toledo 4, Ohio
 Wabash Fibre Box Co., Terre Haute, Ind.

MOLDED PULP FIBRE

Formart Containers, Inc., Cedarburg, Wis.
 Keyes Fibre Co., Waterville, Me.

FILMS AND FOILS

Aluminum Co. of America, 425 6th, Pittsburgh, Pa.
 American Viscose Corp., 1617 Pennsylvania Blvd., Philadelphia 3, Pa.
 Brooks Paper Co., 400 Security Blvd., St. Louis, Mo.
 Celanese Corp. of America, 180 Madison Ave., N.Y., N.Y.
 Central States Paper & Bag Co., Inc., 5221 Natural Bridge Ave., St. Louis 15, Mo.
 Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio
 Continental Can Co., Shelfmar-Betner Div., 100 E. 42nd St., N.Y., 17, N.Y.
 Dow Chemical Co., Midland, Mich.
 E. I. du Pont de Nemours & Co., Film Dept., Wilmington 98, Del.
 Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis, Ind.
 Goodyear Tire & Rubber Co., 1144 E. Market St., Akron, Ohio
 Milprint, Inc., 4200 N. Holton St., Milwaukee 1, Wis.
 Oneida Paper Products, Inc., Clifton, N.J.
 Producer's Exchange, Inc., 20 So. Huron St., Toledo 4, Ohio
 Reynolds Metals Co., Richmond 18, Va.
 Rice, Trew & Rice Co., Bigerville, Pa.
 The Visking Corp., Plastics Div., Terre Haute, Ind.

FRUIT CUPS

Oldmill Paper Products Corp., Long Island City, N.Y.

LABELS AND TAGS

Bartlett Label Co., Kalamazoo, Mich.
 Brandau-Craig-Dickerson Co., 304 10th Ave., Nashville, Tenn.
 Cincinnati Cordage & Paper Co., Lima, Ohio
 Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 West Morris St., Indianapolis 6, Ind.
 Milprint, Inc., 4200 N. Holton St., Milwaukee 1, Wis.
 A. B. Morse Co., St. Joseph, Mich.
 Penn-Mar Container Corp., 56th St. & Paschall Ave., Philadelphia 43, Pa.
 Schmidt Lithograph Co., Second and Bryant Ave., San Francisco 7, Calif.
 Stretcher-Traung Lithograph Corp., 600 Battery, San Francisco, Calif.
 Tompkins' Label Service, 3213 Frankford Ave., Philadelphia 34, Pa.

JULY, 1958

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AMERICAN FRUIT GROWER
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AMERICAN FRUIT GROWER
WILLOUGHBY, OHIO

AMERICAN FRUIT GROWER

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Kin-E-Matic Mach.-Engng. Co., Dearborn, Mich.
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This stamp has interchangeable type to change the size, grade and brand in a second. IT SPEEDS YOUR MARKING 200%. Can be made to meet requirements of every state. Write for prices and folders.

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Tyson Orchard Service, Flora Dale, Pa.

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Rivet-O Mfg. Co., Orange, Mass.
Salt Lake Stamp Works, 51 W. 3rd So., Salt Lake City, Utah
Tyson Orchard Service, Flora Dale, Pa.

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Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
Friday Pack Co., 1412 Public Service Bldg., Portland 4, Ore.
Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis 6, Ind.
Keyes Fibre Co., Waterville, Me.
Producer's Exchange, Inc., 20-32 So. Huron St., Toledo 4, Ohio
Fred C. Stripe, Inc., 20 Vesey St., N. Y. 7, N. Y.
Traver Div., Container Corp. of America, 358 W. Ontario St., Chicago, Ill.

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Fruit-O-Matic Mfg. Co., 7855 Sepulveda Blvd., Van Nuys, Calif.

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Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis, Ind.
Fred C. Stripe, 20 Vesey St., N. Y. 7, N. Y.
Tyson Orchard Service, Flora Dale, Pa.

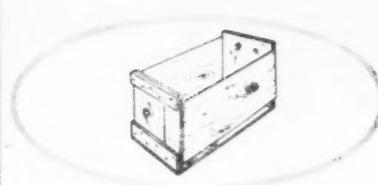
PLAIN

Fort Wayne Corrugated Paper Co., 130 E. Douglas St., Fort Wayne 1, Ind.
Fruit & Produce Packing Co., Div. of Inland Container Corp., 700 W. Morris, Indianapolis, Ind.
Rice, Trew & Rice Co., Bigerville, Pa.

TRANSPARENT

Continental Can Co., Shellmar-Betner Div., 100 E. 42nd St., N.Y. 17, N.Y.
Dobekman Co., A Div. of The Dow Chemical Co., 3301 Monroe Ave., Cleveland 1, Ohio
E. I. du Pont de Nemours & Co., Inc., Film Dept., Wilmington 98, Del.
Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio
Milprint, Inc., 4200 N. Holton St., Milwaukee 1, Wis.
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The Visking Corp., Plastics Div., Terre Haute, Ind.

JULY, 1958



Longer Life... for picking boxes and baskets



One quick, inexpensive dip in Cellu-san saves you money 5 ways:

- Wood won't become brittle and break so easily—stays "alive" and resilient.
- Containers stay cleaner, more sanitary—resist penetration by fruit juices.
- Crop contamination from mold is controlled, assuring much less waste.
- Tare weights are stabilized through far less moisture pick-up.
- Rot will not cause decay of wood fibers nor loosening of fasteners.

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Please send me illustrated literature
about longer service life for harvesting
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Positive protection. Uses carbide
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N. J. Fireworks Co., Vineland, N.J.
R. B. Rutherford, Box 2371 Hiler Branch P.O., Buffalo 23, N.Y.
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✓ Corn

✓ Orchards ✓ Vineyards

✓ Small Fruit ✓ Field Crops

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Panogen, Inc., Div. of Morton Chemical Co., Ringwood, Ill.
State College Laboratories, Inc., Box 49, State College, Pa.
Tre-Tex Co., Shelbyville, Ind.
Wildlife Associates, Inc., Box 534, Hopkinton, N.H.

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Clarion Development Co., Clarion, Pa.
B. F. Goodrich Chemical Co., 2060 E. 9th St.,
Cleveland 15, Ohio
Harry N. Leckenby, Duvall, Wash.
Panogen, Inc., Div. of Morton Chemical Co., Ringwood, Ill.
Rose Mfg. Co., Beacon, N.Y.
Ringwood Chemical Co., Ringwood, Ill.
Stauffer Chemical Co., 380 Madison Ave., N.Y. 17,
N.Y.; 636 California St., San Francisco, Calif.
Rollin M. Tabor, Mt. Vernon, Ohio
Tanglefoot Co., 314 Straight Ave., N.W., Grand Rapids, Mich.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.
Tre-Tex Co., Shelbyville, Ind.

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California Spray-Chemical Corp., Richmond, Calif.;
Haddonfield, N.J.
Carbola Chemical Co., Inc., Natural Bridge, N.Y.
General Chemical Div., Allied Chemical Corp., 40 Rector St., New York 6, N.Y.
K-R-O Co., Springfield, Ohio
Miller Chemical & Fertilizer Corp., 2226 N. Howard St., Baltimore 18, Md.
Monsanto Chemical Co., Lindberg & Olive St. Road,
St. Louis 24, Mo.
S. B. Penick & Co., 50 Church St., New York 8, N.Y.
John Powell & Co., Inc., One Park Ave., N.Y. 16, N.Y.
Prentiss Drug & Chemical Co., 110 William St., N.Y. 38, N.Y.
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Carrier Corp., 300 S. Geddes St., Syracuse, N. Y.
Clarge Fan Co., Kalamazoo 16, Mich.
De Vilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Frick Company, Waynesboro, Pa.
General Electric Co., Bloomfield, N. J.
Howe Ice Machine Co., 2825 Montrose Ave., Chicago 18, Ill.
H. D. Hudson Mfg. Co., 589 E. Illinois St., Chicago 11, Ill.
Hig Electric Ventilating Co., 2850 N. Pulaski Road, Chicago, Ill.
Kelvinator Div., American Motors Corp., 14250 Plymouth Rd., Detroit 32, Mich.
Master Fan Corp., 1323 Channing St., Los Angeles, Calif.
Niagara Blower Co., 405 Lexington Dept. V, N. Y., 17, N. Y.
Northern Blower Co., 6500 Barberton, Cleveland 2, Ohio
Western Blower Co., 1800 Airport Way, Seattle, Wash.
Westinghouse Elec. Corp., 306 Fourth Ave., Pittsburgh 30, Pa.
Worthington Corp., Harrison, N. J.

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Barrett Div., Allied Chemical Corp., 40 Rector St., N. Y., N. Y.
Bird & Son, Inc., E. Walpole, Mass.
Philip Carey Mfg. Co., Cincinnati 15, Ohio
Celotex Corp., 120 S. LaSalle, Chicago, Ill.
The Ruberoid Co., 500 Fifth Ave., N. Y., 36, N. Y.
United States Gypsum Co., 300 West Adams St., Chicago 6, Ill.

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Howard S. Caldwell Co., 721 E. Main St., Lancaster, Ohio
Connor Eng. Corp., Danbury, Conn.
Union Carbide Chemicals Co., CRAG Agricultural Chemicals, 180 S. Broadway, White Plains, N. Y.

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POWER CONVEYORS—

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"FRESH AS THE DAY THEY WERE PICKED"

Dehydration can be overcome by proper humidity and temperature conditions. Frick equipment, specifically designed to suit your needs, will enable you to keep your products in storage perfectly over a long season.

Excellent condition after eight months storage.



New Frick Prestfin Coils solve the humidity problems found in most areas. Their use is the simplest, most foolproof and most economical way to keep fruit at maximum weight and in prime condition.

Get full details now: write for Bulletin 158 on Prestfin coils or call your nearest Frick Branch or Distributor.

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Jamison Cold Storage Door Co., Hagerstown, Md.
Nat'l. Refrigerator Co., 827 Koen St., Louis, Mo.
Schoellkopf Mfg. Co., 312 N. 3rd St., Madison, Wis.
Truscon Steel Div., Republic Steel Corp., Youngstown, Ohio

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Frick Company, Waynesboro, Pa.
General Electric Co., Bloomfield, N. J.
Hig Electric Vent. Co., 2850 N. Pulaski, Chicago 41, Ill.
Niagara Blower Co., Dept. V, 405 Lexington Ave., N. Y., 17, N. Y.
Research Products Corp., 1015 E. Washington Ave., Madison 10, Wis.
Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.
Worthington Corp., Harrison, N. J.

INSULATION

Alumiseal Corp., 429 E. 53 St., N. Y., 22, N. Y.
American Sisal Kraft Co., Attleboro, Mass.
Barrett Div., Allied Chem. Corp., 40 Rector St., N. Y., N. Y.
Bird & Son, E. Walpole, Mass.
The Philip Carey Mfg. Co., Lockland, Cincinnati 15, Ohio
The Celotex Corp., 120 S. LaSalle, Chicago 3, Ill.
Chamberlain Co. of America, 1254 LaBrosse, Detroit 32, Mich.
Dow Chemical Co., Midland, Mich.
C. T. Hogan & Co., Inc., 429 East 53rd St., New York 22, N. Y.
Humatake Corp., Trenton, N. J.
Insulite Div. of Minn. & Ontario Paper Co., Baker Arcade Bldg., Minneapolis 2, Minn.
John Marville Corp., 22 E. 40th St., N. Y., 16, N. Y.
Kalamazoo Tank & Silo Co., Kalamazoo, Mich.
Kimberly-Clark Corp., Neenah, Wis.
Monsanto Corp., 111 W. Washington, Chicago 2, Ill.
Monsanto Chem. Co., Lindberg & Olive St. Road, St. Louis, Mo.
Mundet Cork Co., North Bergen, N. J.
National Cork Company, Englewood, N. J.
Owens Corning Fiberglass Corp., Toledo 1, Ohio
Pacific Lumber Co., By-Products Div., 200 Bush St., San Francisco, Calif.
Pittsburgh Corning Corp., One Gateway Center, Pittsburgh 22, Pa.
Reflecto Corporation, 310 S. Michigan Ave., Chicago 4, Ill.
Reynolds Metals Co., Richmond 18, Va.
Ruberoid Co., 500 Fifth Ave., N. Y., 36, N. Y.
Servicized Products Corp., 6053 W. 65th St., Chicago 38, Ill.
United Cork Companies, W. Kearny, N. J.
United States Gypsum Co., 300 W. Adams St., Chicago 6, Ill.
Zonolite Co., 135 S. LaSalle St., Chicago 3, Ill.



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Fruit Industries Research Foundation, 104½ W. Yakima Ave., Yakima, Wash.
Richard Levin, Chapel Hill, N. C.

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Nat'l. Assn. of Ice Industries, Washington 6, D. C.
Niagara Blower Co., Dept. V, 405 Lexington Ave., N. Y., N. Y.
Sherer-Gillette Co., Marshall, Mich.

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Carrier Corp., 300 S. Geddes, Syracuse, N. Y.
Curtis Mfg. Co., 1905 Klemm St., St. Louis 20, Mo.
Dicerel Div., General Machine & Mfg. Co., Berwick, Pa.

Frick Company, Waynesboro, Pa.
Frigidaire Div., G. M. Corp., Dayton 1, Ohio.
General Electric Co., 1285 Boston Ave., Bridgeport, Conn.

Harris Ice Machine Works, 61 S. E. Yamhill St., Portland, Ore.

Howe Ice Machine Co., 2825 W. Montrose Ave., Chicago, Ill.
International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.

Niagara Blower Co., Dept. V, 405 Lexington Ave., N. Y., N. Y.

Norge Div., Borg-Warner Corp., Merchandise Mart, Chicago, Ill.
Victor Products Corp., Hagerstown, Md.

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From engineering design to complete erection, United Cork Companies offers complete service on B.B. (Block-Baked) Corkboard through its chain of branch offices from coast to coast.

Each installation of United Cork Companies' B.B. Corkboard is specifically planned for the requirements of the individual fruit storage area. And each installation is followed up by United Cork Companies' engineers to assure full satisfaction to the fruit grower.

You are invited to discuss your low-temperature insulation requirements with us.

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Stored right . . .



or just stored?



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Protects your Profits!

Removal of ripening gases is vital to longer, safer fruit storage. Over 600 growers are now using Barnebey-Cheney activated charcoal storage equipment to store apples longer and market at the best time. Units for 2200 to 26,400 bushel capacity. Self-contained, just locate and plug in. Write for literature and prices.

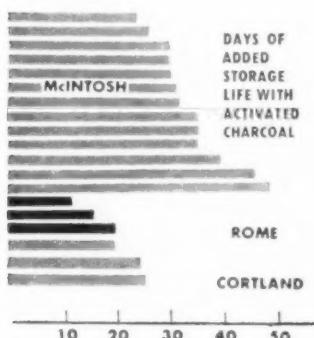


Chart shows days of added storage life in typical commercial tests conducted by Dr. R. M. Smock, Cornell University.

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Columbus 19, Ohio

Please send full information on fruit storage with Activated Charcoal equipment.

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JULY, 1958

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Reynolds Metals Co., Richmond 18, Va.

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The Philip Carey Mfg. Co., Lockland, Cincinnati 15, Ohio.
Celotex Corp., 120 S. LaSalle, Chicago 3, Ill.
Flintkote Co., Inc., 30 Rockefeller Plaza, N. Y. 20, N. Y.
A. C. Hart Co., Inc., Long Island City, N. Y.
Johns-Manville Corp., 22 E. 40th St., N. Y., N. Y.
Masoneite Corp., 111 W. Washington, Chicago, Ill.
Pacelite Co., Inc., 4th & Brannan, San Francisco, Calif.
Red Cedar Shingle Bureau, 5510 White Bldg., Seattle, Wash.
Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.
Truscon Steel Div., Republic Steel Corp., Youngstown, Ohio.

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Harshaw Scientific Div., Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio.
Precision Thermometer & Instrument Co., 1433 Brandywine, Philadelphia 30, Pa.
Taylor Instrument Co., Ames & West Ave., Rochester 1, N. Y.

THERMOSTATS

Bristol Co., Waterbury 20, Conn.
Carrier Corp., 300 S. Geddes, Syracuse, N. Y.
Frick Company, Waynesboro, Pa.
General Electric Co., 1 River Road, Schenectady, N. Y.
Powers Regulator Co., Skokie, Ill.
Precision Thermometer & Instrument Co., 1433 Brandywine, Philadelphia 30, Pa.
Taylor Instrument Co., Ames & West Ave., Rochester 1, N. Y.

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Louden Machinery Co., Fairfield, Iowa.

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Celotex Corp., 120 S. LaSalle, Chicago, Ill.
Flintkote Co., 30 Rockefeller Plaza, N. Y. 20, N. Y.
Johns-Manville Corp., 22 E. 40th St., New York 16, N. Y.
Pittsburgh Plate Glass Co., Columbia-Southern Chemical Corp., 420 Fort Duquesne Blvd., Pittsburgh 13, Pa.
The Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.
United States Gypsum Co., 300 West Adams St., Chicago 1, Ill.

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Dow Chemical Co., Midland, Mich.
Florida Div., Food Machinery & Chemical Corp., Lakeland, Fla.
Koppers Co., Inc., Koppers Bldg., Pittsburgh 19, Pa.
The Ruberoid Co., 500 Fifth Ave., N. Y. 36, N. Y.
Thompson Chemicals Corp., 3028 Locust St., St. Louis 3, Mo.; 3600 Monon St., Los Angeles 27, Calif.
Woolfolk Chemical Works, Ltd., Ft. Valley, Ga.

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National-Riverside Co., Riverside, Calif.
Robinson Blower & Engineering Corp., San Martin, Calif.
Scheu Products Co., Upland, Calif.

THERMOMETERS

See Storage

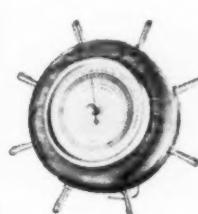
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1. Predict Frost
2. Predict Minimum Daily Temperature
3. Predict Rain, Wind
4. Locate New Orchards
5. Predict Best Dusting and Spraying Periods
6. Be Forewarned of Unusual Weather

New Taylor registering "High-Low" thermometer helps predict frost by telling highest and lowest temperatures since last setting, plus temperature now. Tiny steel-coated indicators inside tube stay put till reset with magnet. Helps locate orchards by detecting cold zones. Warns when to start smudge pots. **\$12.95**



Taylor Ship's Wheel Stormoguide® Barometer helps foretell frost and local storms within next 12 to 24 hours. Much easier to use than an ordinary barometer because it gives detailed easy-to-read forecasts for each change in barometric pressure. Handsome walnut case, solid brass spokes. Stormoguide dial and exclusive altitude adjustment. **\$14.95**



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Owens-Illinois Glass Co., Ohio Bldg., Toledo 1, Ohio
Producer's Exchange, Inc., 20-32 So. Huron St., Toledo 4, Ohio

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Food Machinery & Chemical Corp., Canning Machinery Div., San Jose, Calif.; Hooperston, Ill.
Gordell Co., Antrim, N.H.
F. B. Pease Co., 1344 E. Henrietta Rd., Rochester 10, N.Y.

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National Can Co., Inc., 110 E. 42nd St., N.Y. 17, N.Y.
Wis. Alum. Fdry. Co., Inc., Manitowoc, Wis.

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Boutell Mfg. Co., 558 Lyell Ave., Rochester 6, N.Y.
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New small hydraulic press for the average grower. Electrically operated, designed like all T-A presses to give long, trouble-free service and maximum profits. Made of the finest materials available. Capacity 3 to 5 bushels. Convert your off-grade apples into extra profits this year with the new 1-F Thomas-Albright press.



FULL LINE OF PRESSES

Complete processing supplies

All types of filter cloths—grinders—grinder knives—pumps—taps—bung cloths—valves—cylinder packings—gauges—oil—reservoirs—hydraulic power units—hydraulic accessories—hydraulics built to specification.

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Oliver Corp., 400 W. Madison Ave., Chicago 6, Ill.

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Thomas-Albright Co., Goshen, Ind.

JUICE EXTRACTING

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Food Machinery & Chemical Corp., Canning Machinery Div., San Jose, Calif.; Hooperston, Ill.

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F. H. Langenkamp Co., 229 E. South St., Indianapolis 25, Ind.

New Standard Corp., Mt. Joy, Pa.

Swanson Freezer Mfg. Co., 3401 17th Ave. W., Seattle 99, Wash.

Thomas-Albright Co., Goshen, Ind.

W. R. Laboratories, 639 E. Locketford St., Lodi, Calif.

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Filter Fabrics, Inc., 1520 E. 17th St., Cleveland 14, Ohio.

Food Machinery & Chemical Corp., Canning Machinery Div., San Jose, Calif.; Hooperston, Ill.

Johns Manville Corp., 22 E. 40th St., N.Y. 16, N.Y.

Orchard Equipment & Supply Co., Hill St., Bristol, Conn.

Sparkler Filter Mfg. Co., Mundelein, Ill.

Thomas-Albright Co., Goshen, Ind.

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Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

Orchard Equipment & Supply Co., Hill St., Bristol, Conn.

W. G. Rankles Machinery Co., 185 Oakland St., Trenton 8, N.J.

Thomas-Albright Co., Goshen, Ind.

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Food Machinery & Chemical Corp., Canning Machinery Div., San Jose, Calif.; Hooperston, Ill.

Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

Pope Machine Co., Shortsville, N.Y.

Queen City Engineering Co., 49 Illinois St., Buffalo, N.Y.

W. G. Rankles Machinery Co., Trenton 8, N.J.

J. B. Sedberry, Inc., Franklin, Tenn.

Thomas-Albright Co., Goshen, Ind.

W. G. Rankles Machinery Co., 185 Oakland St., Trenton 8, N.J.

Thomas-Albright Co., Goshen, Ind.

JUICE CONTAINERS, PAPER

Cincinnati Cordage & Paper Co., E. Wayne & Scott St., Lima, Ohio

PRESSES

Dunning & Boutwell Press Co., 329 W. Water St., Syracuse 4, N.Y.

Enterprise Mfg. Co., 3rd & Dauphin Ave., Philadelphia 33, Pa.

Food Machinery & Chemical Corp., Canning Machinery Div., San Jose, Calif.; Hooperston, Ill.

Orchard Equipment & Supply Co., Hill St., Bristol, Conn.

W. G. Rankles Machinery Co., 185 Oakland St., Trenton 8, N.J.

Thomas-Albright Co., Goshen, Ind.

Rudolf O. Zorn, 509 W. Fifth St., Los Angeles 13, Calif.

RACKS AND STRAINERS

Food Machinery & Chemical Corp., Canning Machinery Div., San Jose, Calif.; Hooperston, Ill.

Oliver Corp., 400 W. Madison St., Chicago 6, Ill.

Orchard Equipment & Supply Co., Hill St., Bristol, Conn.

W. G. Rankles Machinery Co., 185 Oakland St., Trenton 8, N.J.

Thomas-Albright Co., Goshen, Ind.

TANKS, JUICE—PLASTIC LINED

Orchard Equipment & Supply Co., Hill St., Bristol, Conn.

TANKS, JUICE—WOOD

Arrow Tank Co., 16 Barnett St., Buffalo 15, N.Y.

Hauser-Stander Tank Co., Spring Grove Ave., Cincinnati 32, Ohio

Thomas-Albright Co., Goshen, Ind.

NUT CRACKING, SHELLING MACHINERY

Armstrong & White, Cheshwick, Pa.

Callerman Co., Wrigley Bldg., Chicago 11, Ill.

Formway Machine Shop, Los Altos, Calif.

Great Western Mfg. Co., Leavenworth, Kans.

Benn Thompson, Harrisburg, Va.

Food Machinery & Chemical Corp., Canning Machinery Div., San Jose, Calif.; Hooperston, Ill.

TRUCKS and Transportation

REFRIGERATION UNITS

Thermo King, 44 South 12th St., Minneapolis 3, Minn.

TRUCKS

Chevrolet Motor Div., General Motors Corp., General Motors Bldg., Detroit 2, Mich.

Chrysler Corp., Dodge Truck Div., 21500 Mound Road, Detroit 34, Mich.

Dodge Div., Chrysler Corp., 7900 Joseph Campau Ave., Detroit 11, Mich.

Ford Motor Co., Dearborn, Mich.

GMC Truck & Coach Div., General Motors Corp., Pontiac 11, Mich.

International Harvester Co., 180 N. Michigan Ave., Chicago 1, Ill.

MacTrucks Inc., 350 5th Ave., N.Y. 1, N.Y.

Studebaker Corp., South Bend 27, Ind.

White Motor Co., 842 E. 79th, Cleveland 1, Ohio

Willys Motors, Inc., 940 N. Cove Blvd., Toledo, Ohio

TRUCK ACCESSORIES

AXLES—TWO SPEED

Eaton Mfg. Co., 739 E. 140th St., Cleveland, Ohio

BATTERIES

Electric Auto-Lite Co., Champaign & Mulberry, Toledo, Ohio

Electric Storage Battery Co., 42 S. 15 St., Philadelphia 2, Pa.

Firestone Tire & Rubber Co., 1200 Firestone Parkway, Akron, Ohio

Gould-National Batteries, Inc., 1st Nat'l Bk. Bldg., St. Paul 1, Minn.

Ley Jay Mfg. Co., Inc., 2908 Emerson Ave. S., Minneapolis, Minn.

United Motors Service, Div. of General Motors Corp., General Motors Bldg., Detroit 2, Mich.

Willard Storage Battery Co., 246 E. 131st St., Cleveland, Ohio

BEARINGS

Argo-Oilless Bearings Co., 149 Berkley St., Philadelphia 44, Pa.

Hyatt Bearings Div., General Motors Corp., Harrison, N.J.

New Departure Mfg. Co., Bristol, Conn.

SKF Industries, Inc., Front St. & Erie Ave., Philadelphia 32, Pa.

Timken Roller Bearing Co., Canton, Ohio

CHAINS

Columbus-McKinnon Chain Co., Tonawanda, N.Y.

Firestone Tire & Rubber Co., Akron, Ohio

Horner Tractor Sales, Geneva, Ohio

PISTON RINGS

Hastings Mfg. Co., Hastings, Mich.

MAINTENANCE EQUIPMENT

DRILL PRESSES, LATHES, MILLING MACHINES, SHAPERS

Bolice-Crane Co., 941 W. Central Ave., Toledo 6, Ohio

Delta Power Tool Div., Rockwell Mfg. Co., 400 N. Lexington Ave., Pittsburgh 8, Pa.

Shelton Machine Co., Inc., 4231 N. Knox Ave., Chicago 41, Ill.

ELECTRIC PLANTS

Caterpillar Tractor Co., Peoria, Ill.

Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.

General Electric Co., 1 River Road, Schenectady, N.Y.

Himelite Corp., Fort Chester, N.Y.

Kewanee Private Utilities, Kewanee, Ill.

Kohler Co., Kohler, Wis.

Ley Jay Mfg. Co., 2908 Emerson Ave. S., Minneapolis 8, Minn.

Westinghouse Electric Corp., 306 Fourth Ave., Pittsburgh 30, Pa.

LUBRICATING EQUIPMENT

Alemite Div., Stewart-Warner Corp., 1826 Diversity Pkwy., Chicago 14, Ill.

Argo Equipment Corp., Bryan, Ohio

DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio

Lincoln Engineering Co., 4010 Goodfellow Blvd., St. Louis, Mo.

WELDERS

Allis-Chalmers Mfg. Co., 1126 So. 70th St., Milwaukee 1, Wis.

Forney Mfg. Co., Fort Collins, Colo.

General Electric Co., 1 River Road, Schenectady, N.Y.

Hobart Bros. Co., Troy, Ohio

Ley Jay Mfg. Co., 2908 Emerson Ave. S., Minneapolis 8, Minn.

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